



PRICE LIST 01/2026

 <p>Laser Diodes</p>	 <p>LEDs</p>	 <p>Laser Modules</p>	 <p>Photodiodes</p>
 <p>LD - Pigtailed</p>	 <p>LEDs - High Power</p>	 <p>Laser Systems</p>	 <p>PD Amplifiers</p>
 <p>LD - Pigtailed HHL</p>	 <p>LEDs - High Power Arrays</p>	 <p>Laser Pointers</p>	 <p>PD Bare Dies</p>
 <p>LD Bare Dies</p>	 <p>VCSELs</p>	 <p>Laser Module Accessories</p>	
 <p>LD Optical Components</p>	 <p>LED Bare Dies</p>	 <p>Laser Safety Goggles</p>	
 <p>LD Drivers / TEC Controllers</p>	 <p>Quantum Optic Devices</p>	 <p>Detector Cards</p>	 <p>Interference Filters</p>

# LASER DIODES



UV laser diodes  
cw mode  
5.6 mm package  
375 - 1770 nm

Laser Diodes   UV   375 - 400 nm	Status	EUR / pc	USD / pc
RLU4116E, 375 ±5 nm, 70 mW, 40°C, 5.6 mm		6.188,00	7.338,71
RLU7216E, 375 ±5 nm, 200 mW, 30°C, 5.6 mm		6.199,00	7.351,76
SHD38200MG, 380 nm, 200 mW, MM, 30°C, 5.6 mm, without PD		410,20	486,48
SHD39300MGE, 395 nm, 300 mW, MM, 30°C, 5.6 mm, without PD		190,47	225,89
RLU4316E, 395 ±5 nm, 120 mW, 30°C, 5.6 mm		6.406,00	7.597,25
RLT395-300MGE, 395 ±10 nm, 300 mW, MM, 5.6 mm, without PD		280,50	332,66
Laser Diodes   VIOLET   405 - 415 nm	Status	EUR / pc	USD / pc
RLT405-10MGS, 405 nm, 10 mW, SM, 75°C, 5.6 mm		35,70	42,34
RLT405-20MG, 405 nm, 20 mW, 5.6 mm	EOL	19,90	23,60
DL-4146-101S, 405 nm, 20 mW, 75°C, 5.6 mm, SANYO		18,60	22,06
DL-5146-101S, 405 nm, 40 mW, 75°C, 5.6 mm, SANYO		25,43	30,16
RLT405-120MGE, 405 nm, 120 mW, SM, 70°C, 5.6 mm, without PD		142,40	168,88
RLT405-120MGS, 405 nm, 120 mW, SM, 70°C, 5.6 mm		145,00	171,96
SHD40150MG, 405 nm, 150 mW, SM, 70°C, 5.6 mm, p-type		73,80	87,52
HL40041MG, 404 ±6 nm, 150 mW cw, MM, 50°C, 5.6 mm TO		93,32	110,67
RLT405-150MGE, 405 nm, 150 mW, SM, 70°C, 5.6 mm, without PD		166,20	197,11
RLT405-150MGS, 405 nm, 150 mW, SM, 70°C, 5.6 mm		142,90	169,47
HL40162MG, 405 ±5 nm, 175 mW cw, SM, 85°C, 5.6 mm TO, N-Type		299,50	355,19
HL40161MG, 405 ±5 nm, 175 mW cw, SM, 85°C, 5.6 mm TO, P-Type		299,50	355,19
HL40163MG, 405 ±5 nm, 175 mW cw, SM, 85°C, 5.6 mm TO, no PD		403,20	478,18
RLT405-200MGS, 405 nm, 200 mW, SM, 70°C, 3.8 mm, without PD		251,40	298,15
RLV4512, 405 nm, 200 mW, 70°C, 5.6 mm, without PD		183,48	217,60
RLT405-250MGS, 405 nm, 250 mW, SM, 70°C, 5.6 mm, without PD		379,80	450,43
SHD40300MGE, 405 nm, 300 mW, MM, 50°C, 5.6 mm, without PD		52,40	62,14
RLT405-300MGE, 405 nm, 300 mW, SM, 70°C, 5.6 mm, without PD		404,60	479,84
HL40071MG, 405 ±5 nm, 300 mW cw, SM, 70°C, 5.6 mm TO		445,95	528,88
RLT405-400MGE, 405 nm, 400 mW, MM, 5.6 mm, without PD		163,90	194,38
HL40093MG, 404 ±6 nm, 400 mW cw, MM, 30°C, 5.6 mm TO, no PD		154,69	183,46
SHD40600MGE, 405 nm, 600 mW, MM, 30°C, 5.6 mm, without PD		88,10	104,48
RLT405-600MGE, 405 nm, 600 mW, MM, 5.6 mm, without PD		142,90	169,47
HL40173MG, 405 ±5 nm, 600 mW cw, MM, 30°C, 5.6 mm TO, no PD		597,84	709,01
HL40175MG, 405 ±5 nm, 600 mW cw, MM, 30°C, 5.6 mm TO, M-type		758,43	899,47
RLT405-1000MGE, 405 ±10 nm, 1 W, MM, 5.6 mm, without PD		162,50	192,72
HL40033G, 405 ±5 nm, 1.0 W cw, MM, 30°C, 9 mm TO, no PD	EOL	463,30	549,45
HL40085G, 405 ±5 nm, 1 W cw, MM, 30°C, 9 mm TO, M-type		566,58	671,94
RLT415-50PMG, 415 nm, 50 mW, 200 ns pulse, MM, 40°C, 5.6 mm	EOL	598,00	709,20
RLT415-200PMG, 415 nm, 200 mW, 200 ns pulse, MM, 40°C, 5.6 mm	EOL	850,00	1.008,06
Laser Diodes   BLUE   420 - 488 nm	Status	EUR / pc	USD / pc
SHD445KGZE, 440 nm, 5.0 W, MM, 60°C, 9.0 mm, Z-diode, without PD		45,70	54,20
RLT445-4W-GOP-FAC, 445 ±10 nm, 4 W, MM, 9 mm, without PD, FAC lens (square beam)		261,90	310,60
LD-445-5000G, 445 nm, 5.0 W, 90°C, 9 mm, without PD		85,40	101,28
SHD4580MG, 450 nm, 80 mW, 70°C, 5.6 mm, without PD		21,70	25,74
LD-450-100SG, 450 nm, 100 mW, 70°C, 3.8 mm, without PD		23,20	27,51
LD-450-100MG, 450 nm, 100 mW, 70°C, 5.6 mm, without PD		34,30	40,68
RLT450-100MGE, 450 ±10 nm, 100 mW, TO18, SM, without PD		45,10	53,49
SHD452KMGE, 450 nm, 1.8 W, MM, 50°C, 5.6 mm, without PD		41,40	49,10
LD-450-2000MG, 447 nm, 2.0 W, 85°C, 5.6 mm, Z-diode, without PD	NEW	36,90	43,76
LD-450-3000G, 450 nm, 3.0 W, 85°C, 9 mm, without PD	EOL	67,50	80,05
NLD453500G, 450 nm, 3.5 W, 60°C, 9 mm, without PD		166,70	197,70
RLT455-5W-GOP, 455 ±10 nm, 5 W, MM, 9 mm, without PD		167,00	198,06

RLT455-5W-GOP-FAC, 455 ±10 nm, 5 W, MM, 9 mm, without PD, FAC lens (square beam)	240,90	285,70	
RLT455-5W5-GOP-CL, 455 ±10 nm, 5.5 W, MM, 9 mm, without PD, collimating lens	107,10	127,02	
RLT465-3W-GOP, 465 ±10 nm, 3 W, MM, 9 mm, without PD	309,50	367,05	
RLT465-3W-GOP-CL, 465 ±10 nm, 3 W, MM, 9 mm, Collimating lens	299,80	355,55	
RLT465-3W-GOP-FAC, 465 ±10 nm, 3 W, MM, 9 mm, without PD, FAC lens (square beam)	309,50	367,05	
RLA4116, 473 ±5 nm, 100 mW, 60°C, 5.6 mm	5.398,00	6.401,80	
RLT480-60MGE, 480 ±5 nm, 60 mW, TO18, SM, without PD	219,10	259,84	
RLT480-80MGE, 480 ±5 nm, 80 mW, TO18, SM, without PD	328,60	389,71	
SHD4850MG, 488 nm, 50 mW, 60°C, 5.6 mm, without PD	142,80	169,35	
RLS4216, 488 ±5 nm, 200 mW, 60°C, 5.6 mm	6.687,00	7.930,50	
RLT488-60MGE, 488 ±10 nm, 60 mW, TO18, SM, without PD	223,40	264,94	
RLT488-80MGE, 488 ±10 nm, 80 mW, TO18, SM, without PD	328,60	389,71	
RLT488-100MGE, 488 ±10 nm, 100 mW, TO18, SM, without PD	359,70	426,59	
RLT495-60MGE, 495 ±5 nm, 60 mW, TO18, SM, without PD	242,80	287,95	
RLT495-80MGE, 495 ±5 nm, 80 mW, TO18, SM, without PD	299,50	355,19	
<b>Laser Diodes   GREEN   510 - 520 nm</b>	<b>Status</b>	<b>EUR / pc</b>	<b>USD / pc</b>
SHD5210MG, 520 nm, 10 mW, SM, 60°C, 5.6 mm, n-type		14,10	16,72
RLT510-50MGS, 510 nm, 50 mW, SM, 60°C, 5.6 mm, without PD		166,20	197,11
RLT510-80MGS, 510 nm, 80 mW, SM, 60°C, 5.6 mm, without PD		202,00	239,56
LD-515-10MG, 515 nm, 10 mW, 60°C, 5.6 mm		17,90	21,23
ADL-52051SM, 520 nm, 5 mW, 50°C, 3.3 mm, integrated LD driver, APC, 6 VDC	NEW	18,60	22,06
ADL-52051SW, 520 nm, 5 mW, 50°C, 3.3 mm, integrated LD driver, APC, 6 VDC	NEW	18,60	22,06
ADL-52101SM, 520 nm, 10 mW, 50°C, 3.3 mm, integrated LD driver, APC, 6 VDC	NEW	22,60	26,80
ADL-52101SW, 520 nm, 10 mW, 50°C, 3.3 mm, integrated LD driver, APC, 6 VDC	NEW	22,60	26,80
ADL-52151SM, 520 nm, 15 mW, 50°C, 3.3 mm, integrated LD driver, APC, 6 VDC	NEW	23,90	28,34
LD-520-30SG, 515 nm, 30 mW, 70°C, 3.8 mm, without PD		39,90	47,32
SHD5230MG, 520 nm, 30 mW, SM, 60°C, 5.6 mm, n-type		14,50	17,20
LD-520-50MG, 520 nm, 50 mW, 60°C, 5.6 mm		42,90	50,88
LD-520-50SG, 520 nm, 50 mW, 60°C, 3.8 mm, without PD		45,90	54,44
SHD5250MG, 520 nm, 50 mW, SM, 60°C, 5.6 mm, n-type		32,80	38,90
RLT520-80MGE, 520 ±10 nm, 80 mW, TO18, SM, without PD		104,30	123,70
RLT520-80MGS, 520 nm, 80 mW, SM, 60°C, 5.6 mm		44,30	52,54
LD-520-110SG, 520 nm, 110 mW, SM, 70°C, 3.8 mm, without PD		59,70	70,80
GH0521DE2G, 520 nm, 130 mW, 60°C, 5.6mm, no PD		54,80	64,99
RLT520-140MGE, 520 nm, 140 mW, SM, 60°C, 5.6 mm, without PD		65,72	77,94
RLT520-300MGE, 520 nm, 300 mW, MM, 60°C, 5.6 mm, without PD		44,30	52,54
RLT520-600GOP, 520 ±15 nm, 600 mW, MM, 9 mm, without PD		145,70	172,79
SHD521KGE, 520 nm, 1.0 W, MM, 60°C, 9.0 mm, without PD		80,90	95,94
NLD521000G, 520 nm, 1 W, 60°C, 9 mm, without PD		219,00	259,72
RLT520-1W5-GOP, 520 ±15 nm, >1.3 W, MM, 9 mm, without PD		251,40	298,15
RLT520-1W5-GOP-CL, 520 ±15 nm, >1.3 W, MM, 9 mm, without PD, collimating lens		208,50	247,27
RLT520-1W5-GOP-FAC, 520 ±15 nm, >1.3 W, MM, 9 mm, without PD, with FAC lens (line beam)		293,30	347,84
<b>Laser Diodes   RED   635 - 655 nm</b>	<b>Status</b>	<b>EUR / pc</b>	<b>USD / pc</b>
HL63163DG, 633 ±3 nm, 100 mW cw, SM, 40°C, 5.6 mm TO, no PD		153,74	182,33
S6305MG, 635 nm, 5 mW, SM, 50°C, 5.6 mm		4,82	5,72
QL63D5SA, 635 nm, 5 mW, SM, 50°C, 5.6 mm		7,86	9,32
ADL-63102TL, 635 nm, 10 mW, SM, 50°C, 5.6 mm		14,76	17,50
S6310MG, 635 nm, 10 mW, SM, 5.6 mm		15,79	18,73
QL63F5SA, 635 nm, 10 mW, SM, 50°C, 5.6 mm		15,25	18,09
QL63H5SA-R1, 639 nm, 20 mW, SM, 50°C, 5.6 mm		19,90	23,60
ADL-63301TL, 635 nm, 30 mW, SM, 40°C, 5.6 mm		30,90	36,65
ADL-63302TL, 635 nm, 30 mW, SM, 50°C, 5.6 mm		34,50	40,92
RLT635-100G, 635 nm, 100 mW, MM, 9 mm, without PD		154,00	182,64
RLT635-150-C, 635 nm, 150 mW, MM, C-mount		219,00	259,72
RLT635-150-TO3, 635 nm, 150 mW, MM, TO-3		179,90	213,35
RLT635-300-TO3, 635 nm, 300 mW, MM, TO-3		369,00	437,62
RLT635-500-TO3, 635 nm, 500 mW, MM, TO-3		444,00	526,57
RLT635-30MGS, 638 nm, 30 mW, SM, 50°C, 5.6 mm		38,10	45,19
RLT635-50MGS, 638 nm, 50 mW, SM, 50°C, 5.6 mm		68,20	80,88
RLT635-180MGE, 638 nm, 180 mW, SM, 50°C, 5.6 mm, without PD		59,50	70,56
RLT635-200MGS, 638 nm, 200 mW, SM, 60°C, 5.6 mm		71,40	84,68
HL63102MG, 637 +3/-7 nm, 5 mW cw, SM, 60°C, 5.6 mm TO, N-type		7,50	8,89
HL6312G, 638 +2/-13 nm, 5 mW cw, SM, 50°C, 9 mm TO		18,03	21,38
HL6319G, 638 +2/-13 nm, 10 mW cw, SM, 50°C, 9 mm TO, P-type		40,42	47,94
HL6320G, 638 +2/-13 nm, 10 mW cw, SM, 50°C, 9 mm TO, N-type		42,17	50,01

HL6321G, 638 +/-8 nm, 15 mW cw, SM, 50°C, 9 mm TO, P-type		57,47	68,16
HL6322G, 638 +/-8 nm, 15 mW cw, SM, 50°C, 9 mm TO, N-type		51,50	61,08
HL6323MG, 639 +/-4 nm, 30 mW cw, SM, 50°C, 5.6 mm TO		89,00	105,55
HL63142DG, 637 ±5 nm, 100 mW cw, SM, 50°C, 5.6 mm TO		172,94	205,10
HL63603TG, 638 +/-6 nm, 120 mW cw, SM, 60°C, 3.8 mm TO, no PD	EOL	37,41	44,37
HL63133DG, 638 ±5 nm, 170 mW cw, SM, 40°C, 5.6 mm TO, no PD		75,87	89,98
ADL-63V0BTP, 638 nm, 500 mW, MM, 30°C, 5.6 mm, without PD		69,90	82,90
HL63193MG, 638 ±5 nm, 700 mW cw, MM, 40°C, 5.6 mm TO, no PD		37,18	44,09
HL63192DG, 638 -6/+5 nm, 700 mW cw, MM, 30°C, 5.6 mm TO, N-Type		74,80	88,71
RLT635-700MGE, 638 ±10 nm, 700 mW, MM, 5.6 mm, without PD		52,30	62,03
ADL-63T01NP, 638 nm, 800 mW, MM, 30°C, 9 mm, no PD		106,90	126,78
RLT635-1W-GOP, 638 ±10 nm, 1 W, MM, 9 mm, without PD		119,00	141,13
RLT635-1W-GOP-FAC, 638 ±10 nm, 1 W, MM, 9 mm, FAC lens (square beam)		214,30	254,15
HL63373HD, 638 ±6 nm, 1 W cw, MM, 45°C, 9 mm TO, no PD		72,97	86,54
RLT635-2W-GOP, 638 ±10 nm, 2 W, MM, 9 mm		178,60	211,81
RLT635-2W-GOP-FAC, 638 ±10 nm, 2 W, MM, 9 mm, FAC lens (square beam)		261,90	310,60
HL63283HD, 637 ±5 nm, 1.2 W cw, MM, 45°C, 9 mm TO, no PD		74,09	87,87
HL63623HD, 638 ±6 nm, 1.5 W cw, MM, 55°C, 9 mm TO, no PD		86,02	102,02
HL63290HD, 638 ±5 nm, 2.0 W cw, 2 chips, MM, 45°C, 9 mm TO, no PD	EOL	102,25	121,26
HL63520HD, 638 ±6 nm, 2.4 W cw, 2 chips, MM, 55°C, 9 mm TO, no PD		103,48	122,72
HL6358MG, 639 +/-9 nm, 10 mW cw, SM, 50°C, 5.6 mm TO, N-type		11,05	13,10
HL6359MG, 639 +/-9 nm, 10 mW cw, SM, 50°C, 5.6 mm TO, P-type	EOL	11,05	13,10
HL6395MG, 639 ±5 nm, 10 mW cw, SM, 60°C, 5.6 mm TO, P-type		21,10	25,02
HL6396MG, 639 ±5 nm, 10 mW cw, SM, 60°C, 5.6 mm TO, N-type	EOL	21,10	25,02
HL6360MG, 639 +/-9 nm, 20 mW cw, SM, 50°C, 5.6 mm TO, N-type		19,44	23,06
HL6361MG, 639 +/-9 nm, 20 mW cw, SM, 50°C, 5.6 mm TO, P-type		28,35	33,62
HL6397MG, 639 +/-9 nm, 20 mW cw, SM, 60°C, 5.6 mm TO, P-type		34,52	40,94
HL63391DG, 639 ±5 nm, 200 mW cw, SM, 60°C, 5.6 mm TO, P-type	EOL	111,12	131,78
HL63392DG, 639 ±5 nm, 200 mW cw, SM, 60°C, 5.6 mm TO, N-type	EOL	111,12	131,78
S6430MG, 640 nm, 30 mW, SM, 50°C, 5.6 mm		28,40	33,68
HL6362MG, 640 ±5 nm, 40 mW cw, SM, 50°C, 5.6 mm TO, N-type		75,94	90,06
HL6363MG, 640 ±5 nm, 40 mW cw, SM, 50°C, 5.6 mm TO, P-type		75,94	90,06
ADL-63501TL, 640 nm, 50 mW, SM, 50°C, 5.6 mm		52,90	62,74
HL63653TG, 640 ±5 nm, 200 mW cw, SM, 60°C, 3.8 mm TO, no PD		47,40	56,21
HL6366DG, 642 +/-7 nm, 80 mW cw, SM, 50°C, 5.6 mm TO, N-type		126,84	150,43
HL6367DG, 642 +/-7 nm, 80 mW cw, SM, 50°C, 5.6 mm TO, P-type		133,74	158,61
RLT65300T, 650 nm, 300 mW, MM, TO-3, without PD		152,00	180,27
RLT650-500-T, 650 nm, 500 mW, MM, TO-3, without PD		275,00	326,14
RLT650-1000-C, 650 nm, 1 W, MM, C-mount	EOL	395,00	468,45
RLT650-1W-T, 658 nm, 1 W, multimode, 150x1 µm, TO-3		453,20	537,48
QL65D5SA, 650 nm, 5 mW, SM, 50°C, 5.6 mm		3,19	3,78
QL65D6SA, 655 nm, 5 mW, SM, 60°C, 5.6 mm		8,60	10,20
S6505MG, 655 nm, 5 mW, SM, 5.6 mm		3,57	4,23
ADL-65052TL, 655 nm, 5 mW, SM, 50°C, 5.6 mm, lowest operating current typ. 16 mA		3,40	4,03
ADL-65055TA4, 655 nm, 5 mW, SM, 50°C, 5.6 mm, integrated LD driver, APC, 3.0 VDC		3,95	4,68
QL65E7SB, 655 nm, 7 mW, SM, 70°C, 5.6 mm		8,43	10,00
QL65E7SC, 655 nm, 7 mW, SM, 70°C, 5.6 mm		8,43	10,00
QL65E8SA, 658 nm, 7 mW, SM, 85°C, 5.6 mm		15,72	18,64
ADL-65075SL, 655 nm, 7 mW, SM, 70°C, 3.3 mm, small package		7,04	8,35
ADL-65075SR, 655 nm, 7 mW, SM, 70°C, 3.3 mm, small package		5,10	6,05
ADL-65077SU, 655 nm, 7 mW, SM, 70°C, 3.3 mm, small package		8,75	10,38
ADL-65074TR, 655 nm, 7 mW, SM, 85°C, 5.6 mm, high temperature		6,77	8,03
ADL-65074TL, 655 nm, 7 mW, SM, 85°C, 5.6 mm, high temperature		6,77	8,03
ADL-65075TA4, 650 nm, 7 mW, SM, 70°C, 5.6 mm, integrated LD driver, APC, 3.0 VDC		7,14	8,47
QL65F6SA, 655 nm, 10 mW, SM, 60°C, 5.6 mm		6,49	7,70
QL65F7SA, 655 nm, 10 mW, SM, 70°C, 5.6 mm, high temperature		14,30	16,96
S6510MG, 655 nm, 10 mW, SM, 5.6 mm		9,54	11,31
S6530MG, 660 nm, 30 mW, MM, 5.6 mm		29,60	35,10
QL65I7SA, 655 nm, 30 mW, SM, 70°C, 5.6 mm		34,90	41,39
HL6501MG, 658 +/-7-13 nm, 30 mW cw, SM, 60°C, 5.6 mm TO		25,89	30,70
RLT650-50MGS, 658 nm, 50 mW, SM, 60°C, 5.6 mm		47,60	56,45
HL65261MG, 658 +/-6 nm, 80 mW cw, SM, 60°C, 5.6 mm TO, P-type		25,95	30,78
HL65262MG, 658 +/-6 nm, 80 mW cw, SM, 60°C, 5.6 mm TO, N-type		25,95	30,78
HL65263MG, 658 +/-6 nm, 80 mW cw, SM, 60°C, 5.6 mm TO, no PD		25,95	30,78
HL65264MG, 658 +/-6 nm, 80 mW cw, SM, 60°C, 5.6 mm TO, no PD		25,95	30,78
RLT650-100MGS, 658 nm, 100 mW, SM, 60°C, 5.6 mm		126,00	149,43
RLT650-100MGE, 658 nm, 100 mW, SM, 60°C, 5.6 mm, without PD		33,40	39,61

RLT650-150MGE, 658 nm, 150 mW, SM, 60°C, 5.6 mm, without PD		42,90	50,88
RLT650-180MGE, 658 nm, 180 mW, SM, 50°C, 5.6 mm, without PD		47,62	56,48
RLT650-1W-C, 658 nm, 1 W, multimode, 150x1 µm, C-mount		247,60	293,64
HL65213HD, 659 ±5 nm, 1.2 W cw, MM, 45°C, 9 mm TO, no PD		330,75	392,26
<b>Laser Diodes   RED   660 - 690 nm</b>	<b>Status</b>	<b>EUR / pc</b>	<b>USD / pc</b>
RLT6615G, 660 nm, 15 mW, SM, 9 mm	EOL	16,00	18,98
ADL-66201TL, 660 nm, 20 mW, SM, 60°C, 5.6 mm		28,80	34,16
ADL-66302TL, 660 nm, 30 mW, SM, 60°C, 5.6 mm		28,80	34,16
QL65J7SA, 660 nm, 50 mW, SM, 75°C, lop typ. 90 mA, 5.6 mm		48,10	57,04
ADL-66505TL, 660 nm, 50 mW, SM, 60°C, 5.6 mm, high temp., high power, high reliability		39,80	47,20
RLT6650G, 660 nm, 50 mW, SM, 9 mm	EOL	190,80	226,28
RLT6650GLI, 665 nm, 50 mW, MM, 9 mm	EOL	222,60	263,99
RLT6660MG, 660 nm, 60 mW, SM, 5.6 mm, without PD	EOL	64,66	76,68
RLT6680MG, 660 nm, 80/160 mW, cw/pulse, SM, 5.6 mm, without PD	EOL	76,00	90,13
RLT66100MGOP, 660 nm, 100 mW, MM, 5.6 mm, without PD		44,00	52,18
RLT66100MG, 660 nm, 100 mW, MM, 5.6 mm		52,80	62,62
S66100MG, 660 nm, 100 mW, MM, 50°C, lop typ. 190 mA, 5.6 mm		37,00	43,88
HL65241DG, 660 +5/-8 nm, 100 mW cw, SM, 90°C, 5.6 mm TO, P-type		90,34	107,14
HL65242DG, 660 +5/-8 nm, 100 mW cw, SM, 90°C, 5.6 mm TO, N-type		90,34	107,14
HL65051DG, 660 +5/-8 nm, 120 mW cw, SM, 40°C, 5.6 mm TO		69,01	81,84
HL6545MG, 660 +4/-8 nm, 120 mW cw, SM, 75°C, 5.6 mm TO, no PD		29,22	34,65
HL65232DG, 660 +5/-8 nm, 150 mW cw, SM, 75°C, 5.6 mm TO, N-type		77,51	91,92
HL65221DG, 660 +5/-8 nm, 200 mW cw, SM, 75°C, 5.6 mm TO, P-type		83,64	99,19
HL65222DG, 660 +5/-8 nm, 200 mW cw, SM, 75°C, 5.6 mm TO, N-type		83,64	99,19
HL65223DG, 660 +5/-8 nm, 200 mW cw, SM, 75°C, 5.6 mm TO, no PD		74,19	87,99
S66150MG, 660 nm, 150 mW, MM, 50°C, lop typ. 280 mA, 5.6 mm		42,00	49,81
RLT660-1W-C, 660 ±10 nm, 1 W, MM, C-Mount		190,50	225,93
RLT660-1W-E, 660 ±10 nm, 1 W, MM, E-Mount		238,10	282,38
RLT660-1W5-C, 660 ±10 nm, 1.5 W, MM, C-Mount		350,60	415,80
RLT660-1W5-E, 660 ±10 nm, 1.5 W, MM, E-Mount		404,60	479,84
QL67D7SA, 670 nm, 5 mW, SM, 70°C, 5.6 mm		18,43	21,86
S6705MG, 670 nm, 5 mW, SM, 5.6 mm		6,20	7,35
QL67F7SA, 670 nm, 10 mW, SM, 70°C, 5.6 mm		31,90	37,83
HL67191MG, 670 ±10 nm, 15 mW cw, SM, 70°C, 5.6 mm TO, P-type	EOL	44,10	52,30
HL67192MG, 670 ±10 nm, 15 mW cw, SM, 70°C, 5.6 mm TO, N-type		44,10	52,30
RLT67300T, 670 nm, 300 mW, MM, TO-3, without PD		199,00	236,01
RLT67300C, 670 nm, 300 mW, MM, C-Mount		199,00	236,01
HL67001DG, 675 ±5 nm, 200 mW cw, SM, 75°C, 5.6 mm TO, P-type		673,77	799,06
RLT680-1W-C, 680 nm, 1 W, MM, 150x1 µm, C-mount		392,70	465,73
QL68I6SA, 685 nm, 30 mW, 60°C, SM, 5.6 mm		49,90	59,18
QL68J6SA, 685 nm, 50 mW, 60°C, SM, 5.6 mm		61,60	73,06
HL6750MG, 685 ±10 nm, 50 mW cw, SM, 70°C, 5.6 mm TO		52,45	62,20
HL6738MG, 690 +5/-10 nm, 30 mW cw, SM, 70°C, 5.6 mm TO		25,70	30,48
HL69001DG, 690 ±5 nm, 200 mW cw, SM, 75°C, 5.6 mm TO, P-type		1.357,83	1.610,33
RLT690-1W-C, 690 ±10 nm, 1 W, MM, C-Mount		712,10	844,52
<b>Laser Diodes   INFRARED   705 - 808 nm</b>	<b>Status</b>	<b>EUR / pc</b>	<b>USD / pc</b>
RLT700-50MGS, 700 nm, 50 mW, SM, 60°C, 5.6 mm		738,00	875,24
HL7301MG, 730 ±10 nm, 40 mW cw, SM, 60°C, 5.6 mm TO, P-type		204,16	242,13
HL7302MG, 730 ±10 nm, 40 mW cw, SM, 60°C, 5.6 mm TO, N-type		204,16	242,13
RLT730-50MGS, 730 nm, 50 mW, SM, 60°C, 5.6 mm		738,00	875,24
RLT760-10GS, 760 nm, 10 mW, SM, 9 mm	EOL	380,00	450,66
RLT760-5W-E, 760 ±10 nm, 5 W, MM, E-Mount		285,70	338,83
RLT760-5W-H, 760 ±10 nm, 5 W, MM, H-Mount		357,10	423,51
QL78D6SA, 780 nm, 5 mW, SM, 60°C, 5.6 mm		8,10	9,61
QL78D6SB, 780 nm, 5 mW, SM, 60°C, 5.6 mm		12,94	15,35
ADL-78101TL, 780 nm, 10 mW, SM, 60°C, 5.6 mm		8,70	10,32
QL78F6SA, 780 nm, 10 mW, SM, 60°C, 5.6 mm		14,50	17,20
QL78I6SA, 780 nm, 25 mW, SM, 60°C, 5.6 mm		19,80	23,48
QL78J6SA, 780 nm, 50 mW, SM, 60°C, 5.6 mm, n-type		25,00	29,65
QL78J6SB, 780 nm, 50 mW, SM, 60°C 5.6 mm, m-type		30,50	36,17
QL78J6SC, 780 nm, 50 mW, SM, 60°C 5.6 mm, p-type		30,50	36,17
RLT7870MG, 780 nm, 70 mW, SM, 5.6 mm, without PD		77,18	91,53
QL78M8SA, 780 nm, 90 mW, SM, 80°C, 5.6 mm		67,00	79,46
RLT780-150GS, 780 nm, 150 mW, SM, 9 mm, LDC=PDC		o.r.	o.r.
RLT780-4W-C, 780 ±10 nm, 4 W, MM, C-Mount		404,60	479,84

RLT780-4W-H, 780 ±10 nm, 4 W, MM, H-Mount		472,00	559,77
RLT780-8W-E, 780 ±10 nm, 8 W, MM, E-Mount		472,00	559,77
RLT780-8W-H, 780 ±10 nm, 8 W, MM, H-Mount		530,80	629,51
ADL-78051TL, 785 nm, 5 mW, SM, 60°C, 5.6 mm		4,99	5,92
RLT7890MG, 785 nm, 90 mW, SM, 5.6 mm, without PD		79,50	94,28
RLT785-100MGSN, 785 nm, 100 mW, SM, 50°C, 5.6 mm		31,40	37,24
RLT785-120MGS, 785 ±15 nm, 120 mW, TO18, Built-in PD		62,90	74,60
RLT785-120MGSP, 785 ±15 nm, 120 mW, TO18, Built-in PD, Common LD(-) & PD(+)		62,90	74,60
RLT785-150MGS, 785 nm, 150 mW, SM, 50°C, 5.6 mm		166,70	197,70
RLT785-150GSN, 785 nm, 150 mW, SM, 50°C, N-type, 9 mm		399,00	473,20
RLT785-300TSN, 785 nm, 300 mW, SM, 50°C, N-type, 9 mm tall cap		497,30	589,78
RLT785-1000GOP, 785 nm, 1 W, MM, 50°C, 9 mm, without PD		252,20	299,10
RLT785-1000G, 785 nm, 1000 mW, MM, 50°C, M-type, 9 mm		265,00	314,28
RLT785-5WC, 785 nm, 5 W, MM, 30°C, C-mount		328,00	336,81
RLCT793-3WC, 793 nm, 3 W, MM, 30°C, C-mount		239,00	283,44
RLT800-20MG, 800 nm, 20 mW, SM, 60°C, 5.6 mm	NEW	35,71	42,35
RLT80805MG, 808 nm, 5 mW, SM, 5.6 mm		39,54	46,89
RLT80810MG, 808 nm, 10 mW, SM, 5.6 mm	EOL	25,00	29,65
RLT808-150GS, 808 nm, 150 mW, SM, 50°C, M-type, 9 mm		372,00	441,18
RLT808-150GSN, 808 nm, 150 mW, SM, 50°C, N-type, 9 mm		352,40	417,93
SLD302V, SONY, 808 nm, 200 mW, MM, 9 mm	EOL	83,74	99,31
S808200MG, 808 nm, 200 mW, MM, 50 µm, 5.6 mm		14,90	17,67
RLT808-300MG, 808 ±10 nm, 300 mW, MM, 5.6 mm		25,00	29,65
LDM-0808-300M-91, 808 ±5 nm, 300 mW, MM, 9 mm		44,00	52,18
LDM-0808-300M-11, 808 ±5 nm, 300 mW, MM, C-mount		35,00	41,51
LDM-0808-300M-31, 808 ±5 nm, 300 mW, MM, TO-3		40,00	47,44
S808500MG, 808 nm, 500 mW, MM, 50°C, lop typ. 520 mA, 5.6 mm		18,70	22,18
S808500G, 808 nm, 500 mW, MM, 70°C, lop typ. 520mA, 9 mm		29,70	35,22
ADL-80V03TL, 808 nm, 500 mW, MM, 50°C, 5.6 mm		49,80	59,06
RLT808-500MG, 808 ±10 nm, 500 mW, MM, 5.6 mm		28,60	33,92
RLT808500G, 808 nm, 500 mW, MM, 9 mm		24,00	28,46
RLCO-808-500G, 808 nm, 500 mW, MM, 9 mm	EOL	45,00	53,37
LDM-0808-500M-92, 808 ±5 nm, 500 mW, MM, 9 mm		45,00	53,37
LDM-0808-500M-12, 808 ±5 nm, 500 mW, MM, C-mount		38,30	45,42
LDM-0808-500M-32, 808 ±5 nm, 500 mW, MM, TO-3		44,00	52,18
ADL-80Q11TZ, 808 nm, 1 W, MM, 60°C, 5.6 mm, no PD		47,15	55,92
S8081000G, 808 nm, 1 W, MM, 50°C, lop typ. 1.2 A, 9 mm		62,00	73,53
S8081WG, 808 nm, 1 W, MM, 50°C, lop typ. 1.2 A, 9 mm, without PD, no window glass		59,90	71,04
LDM-0808-1000-93, 808 ±5 nm, 1 W, MM, 9 mm		69,90	82,90
RLT808-1W-G, 808 ±10 nm, 1 W, MM, 100x1 µm, 9 mm		83,90	99,50
LDM-0808-001W-13, 808 ±5 nm, 1 W, MM, C-mount		41,25	48,92
LDM-0808-001W-33, 808 ±5 nm, 1 W, MM, TO-3		49,90	59,18
RLT808-2W-GOP, 808 ±10 nm, 2 W, MM, 100x1 µm, 9 mm, without PD		125,80	149,19
LDM-0808-002W-14, 808 ±5 nm, 2 W, MM, 150 µm, C-mount		61,90	73,41
LDM-0808-002W-35, 808 ±5 nm, 2 W, MM, TO-3		70,63	83,76
LDM-0808-3W-33, 808 ±5 nm, 3 W, MM, TO-3		139,00	164,85
RLT808-3W-TO3, 808 ±10 nm, 3 W, MM, 100x1 µm, TO-3		174,80	207,31
RLT808-3W-C, 808 ±10 nm, 3 W, MM, C-mount		145,70	172,79
RLCO-808-4000-TO3, 808 nm, 4 W, MM, TO-3	EOL	157,00	186,20
RLT8085000T, 808 ±5 nm, 5 W, mm, TO-3		137,00	162,48
RLT808-5W-C, 808 ±10 nm, 5 W, MM, C-mount		280,50	332,66
RLT8085000TF, 808 ±5 nm, 4.5 W, mm, Fast Axis Collimator, TO-3		146,80	174,10
LDM-0808-005W-15, 808 ±5 nm, 5 W, MM, C-mount		154,70	183,47
RLT808-8W-E, 808 ±10 nm, 8 W, MM, E-Mount		350,60	415,80
RLT808-8W-H, 808 ±10 nm, 8 W, MM, H-Mount		438,30	519,81
RLT808-10W-E, 808 ±10 nm, 10 W, MM, E-Mount		385,70	457,42
RLT808-10W-H, 808 ±10 nm, 10 W, MM, H-Mount		472,00	559,77
<b>Laser Diodes   INFRARED   820 - 940 nm</b>	<b>Status</b>	<b>EUR / pc</b>	<b>USD / pc</b>
RLT820-100GS, 820 nm, 100 mW, SM, 60°C, 9 mm		640,00	759,01
RLT820-100MGS, 820 ±10 nm, 100 mW, SM, 50°C, 5.6 mm		51,40	60,96
RLT820-150MGS, 820 ±10 nm, 150 mW, SM, 50°C, 5.6 mm		59,40	70,45
RLT825-200MGS, 825 nm, 200 mW, SM, 60°C, 5.6 mm		538,00	638,05
ELD83NPT5, 830 ±10 nm, 5 mW, SM, 5.6 mm	EOL	32,86	38,97
S8305MG, 830 nm, 5 mW, lop <25 mA, MM, 40°C, 5.6 mm	EOL	11,44	13,57
QL83F6SA, 830 nm, 10 mW, SM, 60°C, 5.6 mm		12,90	15,30
RLT8320MG, 830 nm, 20 mW, SM, 5.6 mm		18,90	22,41
QL83H6SA, 830 nm, 20 mW, SM, 60°C, 5.6 mm		19,90	23,60
RLT8340MG, 830 nm, 40 mW, SM, 40°C, 5.6 mm		76,32	90,51
S8350MG, 830 nm, 50 mW, SM, 50°C, lop typ. 62 mA, 5.6 mm		28,40	33,68
HL83013MG, 830 ±10 nm, 50 mW cw, SM, 60°C, 5.6 mm TO, no PD		37,89	44,94
HL8337MG, 830 ±10 nm, 50 mW cw, SM, 60°C, 5.6 mm TO, N-type		47,73	56,61
HL8338MG, 830 ±10 nm, 50 mW cw, SM, 60°C, 5.6 mm TO, P-type		40,02	47,46

ADL-83Z01TL, 830 nm, 100 mW, SM, 60°C, 5.6 mm	36,90	43,76
S83100MG, 830 nm, 100 mW, MM, 50°C, lop typ. 115 mA, 5.6 mm	36,20	42,93
RLT830-100MGS, 830 nm, 100 mW, SM, 50°C, 5.6 mm	37,00	43,88
RLT830-100GS, 830 nm, 100 mW, SM, 50°C, M-type, 9 mm	191,74	227,40
RLT830-150MGS, 830 nm, 150 mW, SM, 50°C, 5.6 mm	41,00	48,62
RLT830-150GSN, 830 nm, 150 mW, SM, 50°C, N-type, 9 mm	399,00	473,20

RLT830-150GS, 830 nm, 150 mW, SM, 50°C, M-type, 9 mm		399,00	473,20
RLT830-200MGS, 830 nm, 200 mW, SM, 50°C, 5.6 mm		47,62	56,48
ADL-83Y01TL, 830 nm, 200 mW, SM, 60°C, 5.6 mm		40,80	48,39
QL83R6SA, 830 nm, 200 mW, SM, 60°C, 5.6 mm TO, N-type		83,20	98,67
RLT830-250MGS, 830 nm, 250 mW, SM, 50°C, 5.6 mm		59,50	70,56
S83300MG, 830 nm, 300 mW, MM, 50°C, lop typ. 410 mA, 5.6 mm		42,00	49,81
S83500MG, 830 nm, 500 mW, MM, 50°C, lop typ. 660 mA, 5.6 mm		48,00	56,93
RLT83500G, 830 nm, 500 mW, MM, 9 mm		92,00	109,11
RLT83500GOP, 830 nm, 500 mW, MM, 9 mm, without PD		96,70	114,68
RLT831000G, 830 nm, 1 W, MM, 9 mm		175,00	207,54
RLCO-830-1000-TO3, 830 nm, 1 W, MM, TO-3	EOL	93,00	110,29
RLT830-1WG-PD, 830 nm, 1 W, MM, 40°C, 9 mm, with PD		122,00	144,69
RLT830-1.5G, 830 nm, 1.5 W, MM, 9 mm		193,57	229,57
S8410MG, 840 nm, 10 mW, SM, 60°C, 5.6 mm, without PD		28,80	34,16
S8450MG, 840 nm, 50 mW, SM, 40°C, 5.6 mm, without PD		56,00	66,41
RLT840-200MGS, 840 nm, 200 mW, SM, 60°C, 5.6 mm		538,00	638,05
ADL-85051TL, 845 nm, 5 mW, SM, 50°C, 5.6 mm		12,50	14,82
ELD85NPT5, 850 ±10 nm, 5 mW, SM, 5.6 mm	EOL	26,25	31,13
RLT8505MG, 850 nm, 5 mW, SM, 40°C, 5.6 mm		9,90	11,74
QL85D6SA, 850 nm, 5 mW, SM, 60°C, 5.6 mm		11,20	13,28
QL85F6SA, 850 nm, 10 mW, SM, 60°C, 5.6 mm		12,90	15,30
QL85I6SA, 850 nm, 30 mW, SM, 60°C, 5.6 mm		31,90	37,83
QL85J6SA-L, 850 nm, 40 mW, SM, 60°C, 5.6 mm		39,00	46,25
QL85J6SC-L, 850 nm, 40 mW, SM, 60°C, 5.6 mm		42,10	49,93
ADL-85501TL, 850 nm, 50 mW, SM, 50°C, 5.6 mm		43,99	52,17
RLT850-50MGS, 850 nm, 50 mW, SM, 40°C, 5.6 mm		46,10	54,67
S8550MG, 850 nm, 50 mW, SM, 60°C, 5.6 mm		26,80	31,78
HL8340MG, 852 ±10 nm, 50 mW cw, SM, 60°C, 5.6 mm TO, N-type		40,02	47,46
HL8341MG, 852 ±10 nm, 50 mW cw, SM, 60°C, 5.6 mm TO, P-type		55,22	65,49
HL8342MG, 852 ±4 nm, 50 mW cw, SM, 60°C, 5.6 mm TO	EOL	80,53	95,51
S85100MG, 850 nm, 100 mW, MM, 50°C, lop typ. 125 mA, 5.6 mm		29,90	35,46
RLT85100MG, 850 nm, 100 mW, MM, 5.6 mm		75,00	88,95
RLT850-100MGS, 850 nm, 100 mW, SM, 40°C, 5.6 mm		59,50	70,56
RLT850-150GS, 850 nm, 150 mW, SM, 50°C, M-type, 9 mm		399,00	473,20
RLT850-150GSN, 850 nm, 150 mW, SM, 50°C, N-type, 9 mm		399,00	473,20
HL85021MG, 850 ±10 nm, 250 mW cw, SM, 75°C, 5.6 mm TO, P-type	NEW	62,40	74,00
HL85022MG, 850 ±10 nm, 250 mW cw, SM, 75°C, 5.6 mm TO, N-type	NEW	38,62	45,80
HL85023MG, 850 ±10 nm, 250 mW cw, SM, 75°C, 5.6 mm TO, no PD	NEW	62,40	74,00
S85300MG, 850 nm, 300 mW, MM, 50°C, lop typ. 435 mA, 5.6 mm		40,90	48,51
S85500MG, 850 nm, 500 mW, MM, 50°C, lop typ. 680 mA, 5.6 mm		45,90	54,44
RLT850-500MGE, 850 ±10 nm, 500 mW, MM, 5.6 mm, without PD		78,20	92,74
RLT850-800MGE, 850 ±10 nm, 800 mW, MM, 5.6 mm, without PD		97,80	115,99
RLT850-1000MGE, 850 ±10 nm, 1 W, MM, 5.6 mm, without PD		71,43	84,71
RLT850M-1WG50, 850 nm, 1 W, 50 µm, MM, 9 mm		289,90	343,81
RLT855-10MG, 855 nm, 10 mW, lop <55 mA, SM, 5.6 mm		19,40	23,01
RLT878-5MG, 878 nm, 5 mW, lop <35 mA, SM, 5.6 mm		22,40	26,57
S8810MG, 880 nm, 10 mW, 60°C, SM, 5.6 mm		18,80	22,30
RLT880-3W-C, 880 ±10 nm, 3 W, MM, C-Mount		350,60	415,80
QL90F7SA, 904 nm, 10 mW, 70° C, SM, 5.6 mm		28,00	33,21
QL90F7SA-L, 905 nm, 10 mW, 70° C, SM, 5.6 mm		35,70	42,34
RLT905-20G, 905 nm, 20 mW, SM, 9 mm		407,00	482,69
RLT905-30G, 905 nm, 30 mW, SM, 9 mm		508,00	602,47
QLD905-40MG, 905 nm, 40 mW, SM, 70°C, 5.6 mm		63,00	74,72
RLT905-40G, 905 nm, 40 mW, SM, 9 mm		675,00	800,52
RLT905-50G, 905 nm, 50 mW, SM, 9 mm		731,00	866,94
QL90R7SA, 905 nm, 200 mW, SM, 70°C, 5.6 mm TO, N-type		83,20	98,67
RLT905-500G, 905 nm, 500 mW, MM, 50°C, N-type, 9 mm		131,80	156,31
RLT915-200GSN, 915 nm, 200 mW, SM, 50°C, N-type, 9 mm		436,00	517,08
RLT915-300GS, 915 nm, 300 mW, SM, 50°C, N-type, 9 mm		938,20	1.112,67
RLT91500G, 915 nm, 500 mW, MM, 50°C, N-type, 9 mm		126,00	149,43
RLT915-1000G, 915 nm, 1000 mW, MM, 50°C, N-type, 9 mm		225,90	267,91
RLT915-1000GOP, 915 nm, 1000 mW, MM, 50°C, 9 mm, without PD		212,00	251,42
RLT915-10W-E, 915 ±10 nm, 10 W, MM, E-Mount		315,60	374,29
RLT915-10W-H, 915 ±10 nm, 10 W, MM, H-Mount		438,30	519,81
RLT915-12W-E, 915 ±10 nm, 12 W, MM, E-Mount		350,60	415,80
RLT915-12W-H, 915 ±10 nm, 12 W, MM, H-Mount		472,00	559,77
QL94J6SA, 940 nm, 50 mW, SM, 60°C, 5.6 mm		45,90	54,44
ADL-94Y01TL, 940 nm, 200 mW, SM, 60°C, 5.6 mm		38,96	46,20
QL94R6SA, 940 nm, 200 mW, SM, 60°C, 5.6 mm	EOL	71,00	84,20
RLT940-200GS, 940 nm, 200 mW, SM, 50°C, M-type, 9 mm		436,95	518,20
RLT940-200GSN, 940 nm, 200 mW, SM, 50°C, N-type, 9 mm		436,95	518,20
RLT940-300GS, 940 nm, 300 mW, SM, 50°C, M-type, 9 mm		510,00	604,84

RLT940-300GSN, 940 nm, 300 mW, SM, 50°C, N-type, 9 mm		510,00	604,84
RLT940-1500GOP, 940 nm, 1500 mW, MM, 50°C, 9 mm, without PD		215,81	255,94
RLCO-940-2000-TO3, 940 nm, 2 W, MM, TO-3	EOL	100,00	118,60
RLCO-940-3000-TO3, 940 nm, 3 W, MM, TO-3	EOL	198,00	234,82
RLT940-3W-TO3, 940 nm, 3 W, MM, TO-3		o.r.	o.r.
RLT940-5W-TO3, 940 nm, 5 W, MM, TO-3		308,60	365,99
RLT940-10W-E, 940 ±10 nm, 10 W, MM, E-Mount		315,60	374,29
RLT940-10W-H, 940 ±10 nm, 10 W, MM, H-Mount		438,30	519,81
RLT940-10W-H, 940 ±10 nm, 10 W, MM, H-Mount		438,30	519,81
RLT940-12W-E, 940 ±10 nm, 12 W, MM, E-Mount		350,60	415,80
RLT940-12W-H, 940 ±10 nm, 12 W, MM, H-Mount		472,00	559,77
<b>Laser Diodes   INFRARED   980 - 1390 nm</b>	<b>Status</b>	<b>EUR / pc</b>	<b>USD / pc</b>
RLT9810MG, 980 nm, 10 mW, SM, 5.6 mm, LDC = PDC		6,48	7,69
RLT9820G, 980 nm, 20 mW, MM, 9 mm	EOL	100,70	119,43
RLT9830MG, 980 nm, 30 mW, SM, 5.6 mm		30,62	36,31
RLT9830G, 980 nm, 30 mW, SM, 9 mm	EOL	156,00	185,01
S9850MG, 980 nm, 50 mW, SM, 5.6 mm		6,80	8,06
RLT980-50MGS, 976 ±15 nm, 50 mW, TO18, SM, Built-in PD		28,60	33,92
ELD98NPT50, 980 ±10 nm, 50 mW, SM, 9 mm		26,30	31,19
L98T50M, 980 nm, 50 mW, MM, 9 mm		22,00	26,09
S98100MG, 980 nm, 100 mW, MM, 5.6 mm		10,20	12,10
RLT980-250GSN, 980 nm, 250 mW, SM, 50°C, N-type, 9 mm		449,30	532,85
RLT980-300GS, 980 nm, 300 mW, SM, 50°C, M-type, 9 mm		492,13	583,65
RLT980-300GSN, 980 nm, 300 mW, SM, 50°C, N-type, 9 mm		492,13	583,65
S98200MG, 980 nm, 200 mW, MM, 5.6 mm		17,25	20,46
S98300G, 980 nm, 300 mW, MM, 9 mm		41,77	49,54
S98500G, 980 nm, 500 mW, MM, 9 mm		48,60	57,64
LDM-0980-300M-92, 980 ±10 nm, 300 mW, MM, 9 mm		45,80	54,32
L98T300M, 980 ±5 nm, 300 mW, MM, TO-3		76,00	90,13
RLT98500G, 980 nm, 500 mW, MM, 9 mm		108,00	128,08
RLT98500GOP, 980 nm, 500 mW, MM, 9 mm, without PD		68,60	81,36
LDM-0980-500M-12, 980 ±10 nm, 500 mW, MM, C-mount		47,00	55,74
LDM-0980-500M-32, 980 ±10 nm, 500 mW, MM, TO-3		87,00	103,18
RLT981000G, 980 ±10 nm, 1 W, MM, 9 mm		126,20	149,67
RLT980-1W-G, 980 ±10 nm, 1 W, MM, 9 mm		163,90	194,38
LDM-0980-001W-13, 980 ±10 nm, 1 W, MM, C-mount		93,00	110,29
LDM-0980-001W-33, 980 ±10 nm, 1 W, MM, TO-3		99,00	117,41
LDM-0980-002W-15, 980 ±10 nm, 2 W, MM, C-mount		155,00	183,82
LDM-0980-002W-35, 980 ±10 nm, 2 W, MM, TO-3		158,00	187,38
RLT980-3W-C, 976 ±10 nm, 3 W, MM, C-Mount		163,90	194,38
RLT980-4W-C, 976 ±10 nm, 4 W, MM, C-mount		182,10	215,96
RLT980-10W-E, 976 ±15 nm, 10 W, MM, E-mount		214,00	253,80
RLT980-10W-H, 976 ±15 nm, 10 W, MM, H-mount		309,50	367,05
RLT980-12W-E, 976 ±15 nm, 12 W, MM, E-mount		350,60	415,80
RLT980-12W-H, 976 ±15 nm, 12 W, MM, H-mount		472,00	559,77
RLT980-15W-E, 976 ±10 nm, 15 W, MM, E-mount		404,60	479,84
RLT1030-100GS, 1030 nm, 100 mW, SM, 50°C, 9 mm		799,00	947,58
RLT1060-10MG, 1064 nm, 10 mW, SM, 70°C, 5.6 mm	NEW	28,93	34,31
RLT1060-10G, 1060 nm, 10 mW, SM, 9 mm		330,00	391,37
RLT1060-30MG, 1064 nm, 30 mW, SM, 60°C, 5.6 mm	NEW	41,43	49,13
RLT1060-50G, 1060 nm, 50 mW, SM, 9 mm		568,00	673,62
RLT1060-60MG, 1060 nm, 60 mW, SM, 50°C, 5.6 mm	NEW	68,60	81,36
RLT1060-100G, 1060 ±5 nm, 100 mW, SM, 50°C, M-type, 9 mm		482,00	571,63
RLT1060-200GS, 1060 nm, 200 mW, SM, 30°C, 9 mm		756,00	896,58
RLT1060-350G, 1060 nm, 350 mW, SM, 30°C, M-type, 9 mm		378,00	448,29
RLT1060M-1WG, 1060 nm, 1.0 W, MM, 50°C, N-type, 9 mm		176,20	208,97
RLT1060-1000HHL, 1064 ±30 nm, 1.0 W, MM, HHL package		1.120,00	1.328,27
RLT1060M-2WC, 1064 nm, 2 W cw, MM, C-mount		336,00	398,48
RLT1060-3000HHL, 1060 ±20 nm, <3.0 W, MM, HHL package		1.960,00	2.324,48
RLT1064-50MGS, 1064 nm, 50 mW, SM, 40°C, 5.6 mm		199,50	236,60
RLT1064-100GSN, 1064 nm, 100 mW, SM, 50°C, N-type, 9 mm		199,00	236,01
RLT1064-200GSN, 1064 nm, 200 mW, SM, 50°C, N-type, 9 mm		454,00	538,43
RLT1064-1000G, 1064 nm, 1.0 W, MM, 50°C, N-type, 9 mm		181,13	214,81
RLT1064-8W-E, 1064 ±20 nm, 8 W, MM, E-Mount		285,70	338,83
RLT1064-8W-H, 1064 ±20 nm, 8 W, MM, H-Mount		357,10	423,51
RLT1064-10W-E, 1064 ±20 nm, 10 W, MM, E-Mount		333,00	394,92
RLT1064-10W-H, 1064 ±20 nm, 10 W, MM, H-Mount		381,00	451,85
RLT1080-80GS, 1080 nm, 80 mW, SM, 50°C, 9 mm		849,00	1.006,88
RLT1170-10GS, 1170 nm, 10 mW, SM, 50°C, 9 mm		1.040,00	1.233,40
RLT1260-500HHL, 1260 ±20 nm, 500 mW, MM, HHL package		1.680,00	1.992,41
RLT1260-750HHL, 1260 ±20 nm, 750 mW, MM, HHL package		2.240,00	2.656,55
RLT1270-10MGS-B, 1270 nm, DFB, 10 mW, SM, 50°C, 5.6 mm, lens		189,90	225,21

RLT1270-20MGS-B, 1270 nm, DFB, 20 mW, SM, 50°C, 5.6 mm, lens	237,40	281,55
RLT1270-30MGS-B, 1270 nm, DFB, 30 mW, SM, 50°C, 5.6 mm, lens	308,60	365,99
RLT1290-10MGS-B, 1290 nm, DFB, 10 mW, SM, 50°C, 5.6 mm, lens	189,90	225,21
RLT1290-20MGS-B, 1290 nm, DFB, 20 mW, SM, 50°C, 5.6 mm, lens	237,40	281,55
RLT1290-30MGS-B, 1290 nm, DFB, 30 mW, SM, 50°C, 5.6 mm, lens	308,60	365,99
RLT1300-5G, 1300 nm, 5 mW, SM, 9 mm	223,00	264,47
RLT1300-10G, 1300 nm, 10 mW, SM, 9 mm	335,00	397,30
RLT1300-20G, 1300 nm, 20 mW, SM, 9 mm	357,00	423,39
RLT1300-30G, 1300 nm, 30 mW, SM, 9 mm	383,00	454,22
RLT1300-40G, 1300 nm, 40 mW, SM, 9 mm	451,00	534,87
RLT1300-50G, 1300 nm, 50 mW, SM, 9 mm	543,00	643,98
RLT1310-5MGS, 1310 nm, FP, 5 mW, SM, 85°C, 5.6 mm	41,90	49,69
RLT1310-5MGS-P2, 1310 nm, FP, 5 mW, SM, 85°C, 5.6 mm, Pin Option 2	41,90	49,69
RLT1310-20MGS, 1310 nm, DFB, 20 mW, SM, 50°C, 5.6 mm	284,90	337,88
RLT1310-20MGS-B, 1310 nm, DFB, 20 mW, SM, 50°C, 5.6 mm, lens	237,40	281,55
RLT1310-30MGS, 1310 nm, DFB, 30 mW, SM, 45°C, 5.6 mm	273,00	323,77
RLT1310-30MGS-B, 1310 nm, DFB, 30 mW, SM, 45°C, 5.6 mm, lens	273,00	323,77

ML720A1S-E22E, 1310 nm, 4 mW, SM, 5.6 mm	EOL	21,91	25,98
RLT1300-BL, 1310 nm, 5 mW, 5.6 mm, ball lens	EOL	5,00	5,93
RLT1300-FW, 1310 nm, 5 mW, 5.6 mm, flat window	EOL	5,00	5,93
LDS-1310-005-BL, 1310 ±10 nm, 5 mW, SM, 5.6 mm, ball lens, 4-Pin	EOL	9,60	11,39
S1300-5MG-BL, 1310 nm, 5 mW, 85°C, ball lens, TO-56, 4-Pin (1.25 Gbps)		13,40	15,89
S1300-5MG-FW, 1310 nm, 5 mW, 85°C, flat window, TO-56, 4-Pin (1.25 Gbps)		13,40	15,89
RLT1330-10MGS-B, 1330 nm, DFB, 10 mW, SM, 50°C, 5.6 mm, lens		189,90	225,21
RLT1330-20MGS-B, 1330 nm, DFB, 20 mW, SM, 50°C, 5.6 mm, lens		237,40	281,55
RLT1330-30MGS-B, 1330 nm, DFB, 30 mW, SM, 50°C, 5.6 mm, lens		308,60	365,99
RLT1350-10MGS, 1350 nm, DFB, 10 mW, SM, 50°C, 5.6 mm, flat window		169,00	200,43
RLT1350-10MGS-B, 1350 nm, DFB, 10 mW, SM, 50°C, 5.6 mm, lens		189,90	225,21
RLT1350-20MGS-B, 1350 nm, DFB, 20 mW, SM, 50°C, 5.6 mm, lens		237,40	281,55
RLT1350-30MGS-B, 1350 nm, DFB, 30 mW, SM, 50°C, 5.6 mm, lens		308,60	365,99
RLT1370-10MGS, 1370 nm, DFB, 10 mW, SM, 50°C, 5.6 mm, flat window		169,00	200,43
RLT1370-10MGS-B, 1370 nm, DFB, 10 mW, SM, 50°C, 5.6 mm, lens		142,90	169,47
RLT1370-20MGS-B, 1370 nm, DFB, 20 mW, SM, 50°C, 5.6 mm, lens		237,40	281,55
RLT1370-30MGS-B, 1370 nm, DFB, 30 mW, SM, 50°C, 5.6 mm, lens		308,60	365,99
RLT1390-10MGS, 1390 nm, DFB, 10 mW, SM, 50°C, 5.6 mm, flat window		194,20	230,31
RLT1390-10MGS-B, 1390 nm, DFB, 10 mW, SM, 50°C, 5.6 mm, lens		194,20	230,31
RLT1390-10GS, 1390 nm, 10 mW, SM, 50°C, 9 mm		599,00	710,39
RLT1390-20MGS-B, 1390 nm, DFB, 20 mW, SM, 50°C, 5.6 mm, lens		237,40	281,55
RLT1390-30MGS-B, 1390 nm, DFB, 30 mW, SM, 50°C, 5.6 mm, lens		308,60	365,99
<b>Laser Diodes   INFRARED   1410 - 1750 nm</b>	<b>Status</b>	<b>EUR / pc</b>	<b>USD / pc</b>
RLT1410-10MGS, 1410 nm, DFB, 10 mW, SM, 50°C, 5.6 mm, flat window		189,90	225,21
RLT1410-10MGS-B, 1410 nm, DFB, 10 mW, SM, 50°C, 5.6 mm, lens		189,90	225,21
RLT1410-15MGS, 1410 nm, DFB, 15 mW, SM, 50°C, 5.6 mm		189,00	224,15
RLT1410-15MGS-B, 1410 nm, DFB, 15 mW, SM, 50°C, 5.6 mm, lens		213,60	253,32
RLT1410-20MGS-B, 1410 nm, DFB, 20 mW, SM, 50°C, 5.6 mm, lens		237,40	281,55
RLT1430-10MGS, 1430 nm, DFB, 10 mW, SM, 50°C, 5.6 mm, flat window		169,00	200,43
RLT1430-10MGS-B, 1430 nm, DFB, 10 mW, SM, 50°C, 5.6 mm, lens		189,90	225,21
RLT1430-15MGS-B, 1430 nm, DFB, 15 mW, SM, 50°C, 5.6 mm, lens		213,60	253,32
RLT1430-20MGS-B, 1430 nm, DFB, 20 mW, SM, 50°C, 5.6 mm, lens		237,40	281,55
RLT1450-10MGS, 1450 nm, DFB, 10 mW, SM, 50°C, 5.6 mm, flat window		169,00	200,43
RLT1450-10MGS-B, 1450 nm, DFB, 10 mW, SM, 50°C, 5.6 mm, lens		189,90	225,21
RLT1450-15MGS-B, 1450 nm, DFB, 15 mW, SM, 50°C, 5.6 mm, lens		213,60	253,32
RLT1450-20MGS-B, 1450 nm, DFB, 20 mW, SM, 50°C, 5.6 mm, lens		237,40	281,55
RLT1450-2W-E, 1450 ±40 nm, 2 W, MM, E-mount		333,00	394,92
RLT1450-2W-H, 1450 ±40 nm, 2 W, MM, H-mount		381,00	451,85
RLT1460-5MG, 1460 nm, 5 mW, SM, 5.6 mm	EOL	110,00	130,46
RLT1470-5MGS, 1470 nm, DFB, 5 mW, SM, 70°C, 5.6 mm		340,00	403,23
RLT1470-10MGS-B, 1470 nm, DFB, 10 mW, SM, 50°C, 5.6 mm, lens		189,90	225,21
RLT1470-10G, 1470 ±10 nm, 10 mW, SM, 9 mm		288,00	341,56
RLT1470-15MGS-B, 1470 nm, DFB, 15 mW, SM, 50°C, 5.6 mm, lens		213,60	253,32
RLT1470-20MGS-B, 1470 nm, DFB, 20 mW, SM, 50°C, 5.6 mm, lens		237,40	281,55
RLT1470-20G, 1470 ±10 nm, 20 mW, SM, 9 mm		405,00	480,31
RLT1470-30G, 1470 ±10 nm, 30 mW, SM, 9 mm		o.r.	o.r.
RLT1470-3W-E, 1470 ±30 nm, >2.5 W, MM, E-mount		333,00	394,92
RLT1470-3W-H, 1470 ±30 nm, >2.5 W, MM, H-mount		381,00	451,85
RLT1480-5G, 1480 nm, 5 mW, SM, 9 mm		o.r.	o.r.
RLT1480-10G, 1480 ±10 nm, 10 mW, SM, 9 mm		369,00	437,62
RLT1480-20G, 1480 ±10 nm, 20 mW, SM, 9 mm		452,00	536,05
RLT1490-5MGS, 1490 nm, DFB, 5 mW, SM, 70°C, 5.6 mm		340,00	403,23
RLT1490-10MGS-B, 1490 nm, DFB, 10 mW, SM, 50°C, 5.6 mm, lens		189,90	225,21
RLT1490-10MGS, 1490 nm, DFB, 10 mW, SM, 50°C, 5.6 mm, without PD		538,00	638,05
LD1490-C010, 1490 nm, DFB, 10 mW, SM, PD, 5.6 mm		270,00	320,21
RLT1490-15MGS-B, 1490 nm, DFB, 15 mW, SM, 50°C, 5.6 mm, lens		213,60	253,32
RLT1490-20MGS-B, 1490 nm, DFB, 20 mW, SM, 50°C, 5.6 mm, lens		237,40	281,55
RLT1500-10G, 1500 nm, 10 mW, SM, 9 mm		o.r.	o.r.
RLT1500-20G, 1500 nm, 20 mW, SM, 9 mm		o.r.	o.r.
RLT1500-30G, 1500 nm, 30 mW, SM, 9 mm		o.r.	o.r.
RLT1510-5MGS, 1510 nm, DFB, 5 mW, SM, 70°C, 5.6 mm		340,00	403,23
RLT1510-10MGS-B, 1510 nm, DFB, 10 mW, SM, 50°C, 5.6 mm, lens		189,90	225,21
RLT1510-15MGS, 1510 nm, DFB, 15 mW, SM, 50°C, 5.6 mm		188,60	223,67
RLT1510-15MGS-B, 1510 nm, DFB, 15 mW, SM, 50°C, 5.6 mm, lens		213,60	253,32
RLT1510-20MGS-B, 1510 nm, DFB, 20 mW, SM, 50°C, 5.6 mm, lens		237,40	281,55
RLT1530-5MGS, 1530 nm, DFB, 5 mW, SM, 70°C, 5.6 mm		340,00	403,23
RLT1530-10MGS-B, 1530 nm, DFB, 10 mW, SM, 50°C, 5.6 mm, lens		189,90	225,21
RLT1530-15MGS, 1530 nm, DFB, 15 mW, SM, 50°C, 5.6 mm		188,60	223,67
RLT1530-15MGS-B, 1530 nm, DFB, 15 mW, SM, 50°C, 5.6 mm, lens		213,60	253,32
RLT1530-20MGS-B, 1530 nm, DFB, 20 mW, SM, 50°C, 5.6 mm, lens		237,40	281,55

RLT1530-2W-E, 1530 ±40 nm, 2 W, MM, E-mount	472,00	559,77	
RLT1530-2W-H, 1530 ±40 nm, 2 W, MM, H-mount	530,80	629,51	
RLT1550-5G, 1550 nm, 5 mW, SM, 9 mm	172,50	204,58	
RLT1550-5MGS, 1550 nm, FP, 5 mW, SM, 85°C, 5.6 mm	41,90	49,69	
RLT1550-5MGS-P2, 1550 nm, FP, 5 mW, SM, 85°C, 5.6 mm, Pin Option 2	41,90	49,69	
RLT1550-10G, 1550 nm, 10 mW, SM, 9 mm	208,00	246,68	
RLT1550-15MGS-B, 1550 nm, DFB, 15 mW, SM, 50°C, 5.6 mm, lens	213,60	253,32	
RLT1550-15G, 1550 nm, 15 mW, SM, 9 mm	230,00	272,77	
RLT1550-20G, 1550 nm, 20 mW, SM, 9 mm	240,00	284,63	
RLT1550-20MGS, 1550 nm, DFB, 20 mW, SM, 50°C, 5.6 mm	199,10	236,12	
RLT1550-20MGS-B, 1550 nm, DFB, 20 mW, SM, 50°C, 5.6 mm, lens	179,20	212,52	
RLT1550-30G, 1550 nm, 30 mW, SM, 9 mm	338,70	401,68	
RLT1550-40G, 1550 nm, 40 mW, SM, 9 mm	476,20	564,75	
RLT1550-40GS, 1550 nm, 40 mW, SM, 50°C, 9 mm	524,00	621,44	
RLT1550-100G, 1550 nm, 100 mW, lop typ. 800 mA, aperture 100x1 µm², MM, 9 mm	514,00	609,58	
RLT1550-200GS, 1550 nm, 200 mW, SM, 50°C, 9 mm	1.360,00	1.612,90	
RLT1550-250HHL, 1550 ±30 nm, 250 mW, MM, HHL package	1.613,00	1.912,95	
RLT1550-500HHL, 1550 ±30 nm, 500 mW, MM, HHL package	1.963,00	2.328,04	
RLT1550-2W5-E, 1550 ±30 nm, >2 W, MM, E-mount	333,00	394,92	
RLT1550-2W5-H, 1550 ±30 nm, >2 W, MM, H-mount	381,00	451,85	
RLT1570-5MGS, 1570 nm, DFB, 5 mW, SM, 70°C, 5.6 mm	340,00	403,23	
RLT1570-10MGS, 1570 nm, DFB, 10 mW, SM, 50°C, 5.6 mm	<b>NEW</b>	189,90	225,21
RLT1570-10MGS-B, 1570 nm, DFB, 10 mW, SM, 50°C, 5.6 mm, lens	189,90	225,21	
RLT1570-15MGS-B, 1570 nm, DFB, 15 mW, SM, 50°C, 5.6 mm, lens	213,60	253,32	
RLT1570-20MGS-B, 1570 nm, DFB, 20 mW, SM, 50°C, 5.6 mm, lens	237,40	281,55	
RLT1590-10MGS, 1590 nm, DFB, 10 mW, SM, 50°C, 5.6 mm	<b>NEW</b>	189,90	225,21
RLT1590-10MGS-B, 1590 nm, DFB, 10 mW, SM, 50°C, 5.6 mm, lens	169,00	200,43	
RLT1590-15MGS-B, 1590 nm, DFB, 15 mW, SM, 50°C, 5.6 mm, lens	213,60	253,32	
RLT1590-20MGS-B, 1590 nm, DFB, 20 mW, SM, 50°C, 5.6 mm, lens	237,40	281,55	
RLT1600-10G, 1600 nm, 10 mW, SM, 9 mm	361,00	428,13	
RLT1600-20G, 1600 nm, 20 mW, SM, 9 mm	434,00	514,71	
RLT1600-30G, 1600 nm, 30 mW, SM, 9 mm	505,00	598,91	
RLT1600-40G, 1600 nm, 40 mW, SM, 9 mm	617,00	731,74	
RLT1600-300HHL, 1600 ±20 nm, 300 mW, MM, HHL package	o.r.	o.r.	
RLT1610-10MGS, 1610 nm, DFB, 10 mW, SM, 50°C, 5.6 mm	<b>NEW</b>	189,90	225,21
RLT1610-10MGS-B, 1610 nm, DFB, 10 mW, SM, 50°C, 5.6 mm, lens	189,90	225,21	
RLT1610-15MGS-B, 1610 nm, DFB, 15 mW, SM, 50°C, 5.6 mm, lens	213,60	253,32	
RLT1610-20MGS-B, 1610 nm, DFB, 20 mW, SM, 50°C, 5.6 mm, lens	237,40	281,55	
RLT1620-10GS, 1620 nm, 10 mW, SM, 50°C, 9 mm	708,00	839,66	
RLT1625-10MGS, 1625 nm, DFB, 10 mW, SM, 50°C, 5.6 mm	<b>NEW</b>	309,50	367,05
RLT1625-15MGS-B, 1625 nm, DFB, 15 mW, SM, 50°C, 5.6 mm, lens	308,60	365,99	
RLT1625-20MGS-B, 1625 nm, DFB, 20 mW, SM, 50°C, 5.6 mm, lens	379,80	450,43	
RLT1650-10MGS, 1650 nm, DFB, 10 mW, SM, 50°C, 5.6 mm	<b>NEW</b>	309,50	367,05
RLT1650-15MGS-B, 1650 nm, DFB, 15 mW, SM, 50°C, 5.6 mm, lens	308,60	365,99	
RLT1650-20MGS-B, 1650 nm, DFB, 20 mW, SM, 50°C, 5.6 mm, lens	379,80	450,43	
RLT1650-50GS, 1650 nm, 50 mW, SM, 50°C, 9 mm	840,00	996,20	
RLT1725-300HHL, 1725 ±15 nm, 300 mW, MM, HHL package	o.r.	o.r.	
RLT1750-10G, 1750 ±30 nm, 10 mW, SM, 9 mm	495,30	587,41	
RLT1750-20G, 1750 ±20 nm, 20 mW, SM, 9 mm	590,50	700,31	
RLT1750-30G, 1750 ±20 nm, 30 mW, SM, 9 mm	798,00	946,39	
RLT1750-40G, 1750 ±20 nm, 40 mW, SM, 9 mm	1.067,00	1.265,42	
RLT1750-300HHL, 1750 ±15 nm, 300 mW, MM, HHL package	o.r.	o.r.	
RLT1770-10G, 1770 ±30 nm, 10 mW, SM, 9 mm	495,00	587,05	
RLT1770-20G, 1770 ±20 nm, 20 mW, SM, 9 mm	590,00	699,72	
RLT1770-30G, 1770 ±30 nm, 30 mW, SM, 9 mm	798,00	946,39	
RLT1770-40G, 1770 ±20 nm, 40 mW, SM, 9 mm	1.066,00	1.264,23	

## LASER DIODES - SMD



Laser Diodes SMD   650 - 940 nm	Status	EUR / pc	USD / pc
S6505SMD, 650 nm, 5 mW, SM, 70°C, SMD 5630, 5.6x3.0x0.8 mm		3,86	4,58
S808200SMD, 808 nm, 200 mW, MM, 50°C, SMD 5630, 5.6x3.0x0.8 mm		15,20	18,03
ADL-83Y511Y-F1, 830 nm, 250 mW, SMD 3.5x3.5x0.75 mm		35,24	41,79
ADL-85Y511Y-F1, 850 nm, 250 mW, SMD 3.5x3.5x0.75 mm		35,24	41,79
ADL-94Y01EY-F2, 940 nm, 200 mW, SMD 3.0x3.0x0.75 mm		22,62	26,83



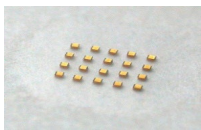
# LASER DIODES - PULSED



high power pulsed laser diodes  
850, 904, 1550, 1610 and 1625 nm

Laser Diodes PULSED   904 - 1625 nm	Status	EUR / pc	USD / pc
PLD904-5-T, 904 nm, 5 W-pulse, 75 x 1 μm <sup>2</sup> , TO-46	EOL	49,40	58,59
LDMP-0905-20W-51, 905 nm, 20 W, single emitter, 50...200ns, 0.05%, 370x1 μm <sup>2</sup> , 5.6 mm		77,00	91,32
LDMP-0905-50W-93, 905 nm, 50 W, 2 stacks, 50...200 ns, 0.05%, 370x100 μm <sup>2</sup> , 9 mm		159,00	188,57
QL90V8SM-7, 905 nm, 21 W pulse, 100 ns, 0.01%, 75x10 μm, 85°C, 5.6 mm TO, no PD		131,00	155,36
VL905P25M, 905 nm, 25 W, 100 ns, 0.05%, 60°C, 5.6 mm		27,80	32,97
QL90V8SM, 905 nm, 25 W pulse, 100 ns, 0.01%, 200x1 μm, 85°C, 5.6 mm TO, no PD		131,00	155,36
VL905P50, 905 nm, 50 W, 100 ns, 0.1%, 60°C, 5 mm epoxy		17,20	20,40
QL90W8SM, 905 nm, 50 W pulse, 100 ns, 0.01%, 200x5 μm, 85°C, 5.6 mm TO, no PD		143,00	169,59
VL905P75, 905 nm, 75 W, 100 ns, 0.1%, 60°C, 5 mm epoxy		23,70	28,11
QL90X8SM, 905 nm, 75 W pulse, 100 ns, 0.01%, 200x10 μm, 85°C, 5.6 mm TO, no PD		155,00	183,82
RLT-HPL905-50, 904 nm, 50 W-pulse, 50 ns, 370 x 100 μm <sup>2</sup> , 9 mm	EOL	236,00	279,89
RLT1610-100MPG, 1610 nm, 1x200 μm, 100 mW-pulse, <1us, <50 kHz, 5%, Duty, 9 mm		198,00	234,82
LD1625-C120, 1625 nm, FP, 120 mW, SM, pulsed mode, 10 us PW, 1%, DC, 5.6 mm		449,50	533,09

# LASER DIODES - BARE CHIP DIES



EPI wafer laser diode chip dies  
635, 650, 980, 1310 nm

LD BARE CHIP DIES   635 - 1310 nm	Status	EUR / pc	USD / pc
CHIP-635-P5, 635 nm, 5 mW, laser diode chip die, sm (no guarantee on bare dies!)		2,69	3,19
CHIP-650-P5, 650 nm, 5 mW, laser diode chip, sm (no guarantee on bare dies!)		2,23	2,64
CHIP-650-P10, 650 nm, 10 mW, laser diode chip, sm (no guarantee on bare dies!)		4,85	5,75
CHIP-650-P30, 650 nm, 30 mW, laser diode chip, (no guarantee on bare dies!)		16,45	19,51
CHIP-660-P100, 660 nm, 100 mW, laser diode chip, (no guarantee on bare dies!)		19,57	23,21
CHIP-980-P52, 976 nm, 50 mW, laser diode chip die, sm (no guarantee on bare dies!)		2,92	3,46
CHIP-1310-P5, 1310 nm, FP, 5 mW, SM, 2.5 GHz (no guarantee on bare dies!)		5,16	6,12

# LASER DIODES - PIGTAILED



Pigtailed Laser Diodes in coaxial package  
- single and multi mode  
- different connectors available  
395 - 1650 nm

LD PIGTAILED   UV   395 - 400 nm	Status	EUR / pc	USD / pc
SPL375-100-C105M, 375 ±10 nm, 100 mW, MM fiber, 105 μm, N.A. 0.22, FC/PC, coaxial		1.085,70	1.287,59
SPL395-200-C105M, 395 ±10 nm, 200 mW, MM fiber, 105 μm, N.A. 0.22, FC/PC, coaxial		679,70	806,10
SPL395-200-C50M, 395 ±10 nm, 200 mW, MM fiber, 50 μm, N.A. 0.12, FC/PC, coaxial		793,00	940,46
SPL400-15-3-PD, 400 ±5 nm, 15 mW, SM fiber, 3 μm, N.A. 0.12, FC/PC, PD		1.078,90	1.279,53
SPL400-15-PM-PD, 400 ±5 nm, 15 mW, PM fiber, 3 μm, N.A. 0.12, FC/APC, PD		1.294,70	1.535,46
SPL400-30-3-PD, 400 ±5 nm, 30 mW, SM fiber, 3 μm, N.A. 0.12, FC/PC, PD		1.294,70	1.535,46
SPL400-30-PM-PD, 400 ±5 nm, 30 mW, PM fiber, 3 μm, N.A. 0.12, FC/APC, PD		1.510,50	1.791,39
SPL400-400-C105M, 400 ±5 nm, 400 mW, MM fiber, 105 μm, N.A. 0.22, FC/PC, coaxial		906,30	1.074,83
LD PIGTAILED   VIOLET   405 - 415 nm	Status	EUR / pc	USD / pc
SPL405-15-3, 405 nm, 15 mW, SM fiber, 3 μm, FC/PC		793,00	940,46
SPL405-15-3-PD, 405 nm, 15 mW, SM fiber, 3 μm, FC/PC, PD		906,30	1.074,83
SPL405-15-PM, 405 nm, 15 mW, PM fiber, 3 μm, FC/APC		1.078,90	1.279,53
SPL405-15-PM-PD, 405 nm, 15 mW, PM fiber, 3 μm, FC/APC, PD		1.294,70	1.535,46
SPL405-30-3, 405 nm, 30 mW, SM fiber, 3 μm, FC/PC		1.019,60	1.209,20
SPL405-30-3-PD, 405 nm, 30 mW, SM fiber, 3 μm, FC/PC, PD		879,00	1.042,46
SPL405-30-PM, 405 nm, 30 mW, PM fiber, 3 μm, FC/APC		1.294,70	1.535,46
SPL405-30-PM-PD, 405 nm, 30 mW, PM fiber, 3 μm, FC/APC, PD		1.402,60	1.663,43
SPL405-40-3-PD, 405 nm, 40 mW, SM fiber, 3 μm, FC/PC, PD		916,00	1.086,34
SPL405-50-3-PD, 405 nm, 50 mW, SM fiber, 3 μm, FC/PC, PD		969,00	1.149,19
SPL405-50-PM, 405 nm, 50 mW, PM fiber, 3 μm, FC/APC		1.726,30	2.047,32
SPL405-200-C105M, 405 nm, 200 mW, MM fiber, 105 μm, FC/PC, coaxial package		453,20	537,48



SPL405-300-C105M-SMA, 405 nm, 300 mW, MM fiber, 105 µm, SMA905, coaxial package	589,10	698,65	
SPL405-450-C105M, 405 nm, 450 mW, MM fiber, 105 µm, FC/PC, coaxial package	679,70	806,10	
SPL405-450-C105M-SMA, 405 nm, 450 mW, MM fiber, 105 µm, SMA905, coaxial package	702,40	833,02	
SPL410-300-C105M, 410 ±5 nm, 300 mW, MM fiber, 105 µm, N.A. 0.22, FC/PC, coaxial	1.078,90	1.279,53	
SPL413-300-C105M, 413 ±5 nm, 300 mW, MM fiber, 105 µm, N.A. 0.22, FC/PC, coaxial	1.294,70	1.535,46	
<b>LD PIGTAILED   BLUE   445 - 480 nm</b>	<b>Status</b>	<b>EUR / pc</b>	<b>USD / pc</b>
SPL445-15-3, 450 nm, 15 mW, SM fiber, 3 µm, FC/PC		453,20	537,48
SPL445-30-3, 450 nm, 30 mW, SM fiber, 3 µm, FC/PC		566,40	671,73
SPL445-30-PM, 450 nm, 30 mW, PM fiber, 3 µm, FC/APC		906,30	1.074,83
SPL445-40-3, 450 nm, 40 mW, SM fiber, 3 µm, FC/PC		679,70	806,10
SPL445-50-3, 450 nm, 50 mW, SM fiber, 3 µm, FC/PC		793,00	940,46
SPL445-50-PM, 450 nm, 50 mW, PM fiber, 3 µm, FC/APC		1.186,80	1.407,50
SPL445-50-105M, 450 nm, 50 mW, MM fiber, 105 µm, FC/PC		213,60	253,32
SPL445-70-3, 450 nm, 70 mW, SM fiber, 3 µm, FC/PC		1.186,80	1.407,50
SPL445-80-105M, 450 nm, 80 mW, MM fiber, 105 µm, FC/PC		226,60	268,74
SPL445-100-105M, 450 nm, 100 mW, MM fiber, 105 µm, FC/PC		271,90	322,46
SPL445-500-C105M, 450 nm, 500 mW, MM fiber, 105 µm, FC/PC, coaxial package		271,90	322,46
SPL445-800-105M, 450 nm, 800 mW, MM fiber, 105 µm, FC/PC		294,60	349,38
SPL445-1W-C105M, 450 nm, 1 W, MM fiber, 105 µm, FC/PC, coaxial package		339,90	403,11
SPL460-30-3, 460 nm, 30 mW, SM fiber, 3 µm, FC/PC		699,00	828,98
SPL460-30-PM, 460 nm, 30 mW, PM fiber, 3 µm, FC/APC		928,60	1.101,28
SPL460-50-3, 460 nm, 50 mW, SM fiber, 3 µm, FC/PC		928,60	1.101,28
SPL460-50-PM, 460 nm, 50 mW, PM fiber, 3 µm, FC/APC		1.207,10	1.431,57
SPL460-100-105M, 460 nm, 100 mW, MM fiber, 105 µm, FC/PC		566,40	671,73
SPL465-2W-105M, 465 nm, 2 W, MM fiber, 105 µm, FC/PC		793,00	940,46
SPL473-10-3, 473 ±10 nm, 10 mW, SM fiber, 3 µm, N.A. 0.12, FC/PC		1.078,90	1.279,53
SPL473-10-PM, 473 ±10 nm, 10 mW, PM fiber, 3 µm, N.A. 0.12, FC/APC		1.726,30	2.047,32
SPL473-20-3, 473 ±10 nm, 20 mW, SM fiber, 3 µm, N.A. 0.12, FC/PC		1.294,70	1.535,46
SPL473-20-PM, 473 ±10 nm, 20 mW, PM fiber, 3 µm, N.A. 0.12, FC/APC		1.942,10	2.303,25
SPL480-10-3, 480 ±5 nm, 10 mW, SM fiber, 3 µm, N.A. 0.12, FC/PC		1.078,90	1.279,53
SPL480-10-PM, 480 ±5 nm, 10 mW, PM fiber, 3 µm, N.A. 0.12, FC/APC		1.726,30	2.047,32
SPL480-20-3, 480 ±5 nm, 20 mW, SM fiber, 3 µm, N.A. 0.12, FC/PC		1.294,70	1.535,46
SPL480-20-PM, 480 ±5 nm, 20 mW, PM fiber, 3 µm, N.A. 0.12, FC/APC		1.942,10	2.303,25
<b>LD PIGTAILED   CYAN   488 - 495 nm</b>	<b>Status</b>	<b>EUR / pc</b>	<b>USD / pc</b>
SPL488-10-3, 488 nm, 10 mW, SM fiber, 3 µm, FC/PC		566,40	671,73
SPL488-10-PM, 488 nm, 10 mW, PM fiber, 3 µm, FC/APC		906,30	1.074,83
SPL488-20-3, 488 nm, 20 mW, SM fiber, 3 µm, FC/PC		679,70	806,10
SPL488-20-PM, 488 nm, 20 mW, PM fiber, 3 µm, FC/APC		1.019,60	1.209,20
SPL488-30-3, 488 nm, 30 mW, SM fiber, 3 µm, FC/PC		906,30	1.074,83
SPL488-30-PM, 488 nm, 30 mW, PM fiber, 3 µm, FC/APC		1.186,80	1.407,50
SPL488-40-105M, 488 nm, 40 mW, MM fiber, 105 µm, FC/PC		362,50	429,91
SPL488-50-105M, 488 nm, 50 mW, MM fiber, 105 µm, FC/PC		362,50	429,91
SPL495-10-3, 495 ±5 nm, 10 mW, SM fiber, 3 µm, N.A. 0.12, FC/PC		679,70	806,10
SPL495-10-PM, 495 ±5 nm, 10 mW, PM fiber, 3 µm, N.A. 0.12, FC/APC		1.019,60	1.209,20
SPL495-20-3, 495 ±5 nm, 20 mW, SM fiber, 3 µm, N.A. 0.12, FC/PC		793,00	940,46
SPL495-20-PM, 495 ±5 nm, 20 mW, PM fiber, 3 µm, N.A. 0.12, FC/APC		1.078,90	1.279,53
SPL495-50-105M, 495 ±5 nm, 50 mW, MM fiber, 105 µm, N.A. 0.22, FC/PC		453,20	537,48
<b>LD PIGTAILED   GREEN   505 - 520 nm</b>	<b>Status</b>	<b>EUR / pc</b>	<b>USD / pc</b>
SPL505-10-3, 505 ±10 nm, 10 mW, SM fiber, 3 µm, N.A. 0.12, FC/PC		679,70	806,10
SPL505-10-PM, 505 ±10 nm, 10 mW, PM fiber, 3 µm, N.A. 0.12, FC/APC		1.019,60	1.209,20
SPL505-20-3, 505 ±10 nm, 20 mW, SM fiber, 3 µm, N.A. 0.12, FC/PC		793,00	940,46
SPL505-20-PM, 505 ±10 nm, 20 mW, PM fiber, 3 µm, N.A. 0.12, FC/APC		1.078,90	1.279,53
SPL505-30-105M, 505 ±10 nm, 30 mW, MM fiber, 105 µm, N.A. 0.22, FC/PC		271,90	322,46
SPL505-50-105M, 505 ±10 nm, 50 mW, MM fiber, 105 µm, N.A. 0.22, FC/PC		339,90	403,11
SPL510-10-SM, 510 ±10 nm, 10 mW, SM fiber, 3 µm, N.A. 0.12, FC/PC con.		599,00	710,39
SPL510-10-PM, 510 ±10 nm, 10 mW, PM fiber, 3 µm, N.A. 0.12, FC/APC con.		881,00	1.044,83
SPL510-20-SM, 510 ±10 nm, 20 mW, SM fiber, 3 µm, N.A. 0.12, FC/PC con.		762,00	903,70
SPL510-20-PM, 510 ±10 nm, 20 mW, PM fiber, 3 µm, , N.A. 0.12, FC/APC con.		969,00	1.149,19
SPL520-1-3-PD, 520 nm, 1 mW, SM fiber, 3 µm, FC/PC, PD		271,90	322,46
SPL520-10-3-PD, 520 nm, 10 mW, SM fiber, 3 µm, FC/PC, PD		566,40	671,73
SPL520-10-PM-PD, 520 nm, 10 mW, PM fiber, 3 µm, FC/APC, PD		906,30	1.074,83
SPL520-20-3-PD, 520 nm, 20 mW, SM fiber, 3 µm, FC/PC, PD		616,00	730,55
SPL520-20-PM-PD, 520 nm, 20 mW, PM fiber, 3 µm, FC/APC, PD		1.078,90	1.279,53
SPL520-25-3-PD, 520 nm, 25 mW, SM fiber, 3 µm, FC/PC, PD		906,30	1.074,83
SPL520-30-3, 520 nm, 30 mW, SM fiber, 3 µm, FC/PC		598,00	709,20
SPL520-30-3-PD, 520 nm, 30 mW, SM fiber, 3 µm, FC/PC, PD		740,00	877,61
SPL520-30-PM, 520 nm, 30 mW, PM fiber, 3 µm FC/APC		1.019,60	1.209,20
SPL520-30-PM-PD, 520 nm, 30 mW, PM fiber, 3 µm, FC/APC, PD		1.078,90	1.279,53
SPL520-40-3, 520 nm, 40 mW, SM fiber, 3 µm, FC/PC		698,00	827,80
SPL520-40-PM, 520 nm, 40 mW, PM fiber, 3 µm, FC/APC		1.078,90	1.279,53
SPL520-40-PM-PD, 520 nm, 40 mW, PM fiber, 3 µm, FC/APC, PD		1.186,80	1.407,50



SPL520-50-PM, 520 nm, 50 mW, PM fiber, 3 µm, FC/APC	1.402,60	1.663,43	
SPL520-50-105M-PD, 520 nm, 50 mW, MM fiber, 105 µm, FC/PC, PD	339,90	403,11	
SPL520-80-9, 520 ±10 nm, 80 mW, SM fiber, 9 µm, N.A. 0.12, FC/PC	566,40	671,73	
SPL520-80-105M, 520 nm, 80 mW, MM fiber, 105 µm, FC/PC	339,90	403,11	
SPL520-100-105M, 520 nm, 100 mW, MM fiber, 105 µm, FC/PC	339,90	403,11	
SPL520-200-105M, 520 nm, 200 mW, MM fiber, 105 µm, FC/PC	407,80	483,63	
SPL520-800-105M, 520 nm, >700 mW, MM fiber, 105 µm, FC/PC	566,40	671,73	
<b>LD PIGTAILED   RED   633 - 685 nm</b>	<b>Status</b>	<b>EUR / pc</b>	<b>USD / pc</b>
SPL633-30-4, 633 ±5 nm, 30 mW, SM fiber, 4 µm, N.A. 0.12, FC/PC		679,70	806,10
SPL633-30-PM, 633 ±5 nm, 30 mW, PM fiber, 4 µm, N.A. 0.12, FC/APC		1.078,90	1.279,53
SPL633-50-4, 633 ±5 nm, 50 mW, SM fiber, 4 µm, N.A. 0.12, FC/PC		906,30	1.074,83
SPL633-50-PM, 633 ±5 nm, 50 mW, PM fiber, 4 µm, N.A. 0.12, FC/APC		1.186,80	1.407,50
SPL635-1-4-PD, 635 nm, >1 mW, SM fiber, 4 µm, FC/PC, PD		189,90	225,21
SPL635-2-4-PD, 635 ±5 nm, 2 mW, SM fiber, 4 µm, FC/PC, PD		189,90	225,21
SPL635-3-4-PD, 638 nm, 3 mW, SM fiber, 4 µm, FC/PC, PD		213,60	253,32
SPL635-5-4-PD, 638 nm, 5 mW, SM fiber, 4 µm, FC/PC, PD		219,00	259,72
SPL635-5-105M-PD, 635 nm, 5 mW, MM fiber, 105 µm, FC/PC		124,10	147,18
SPL635-10-4-PD, 638 nm, 10 mW, SM fiber, 4 µm, FC/PC, PD		339,90	403,11
SPL635-10-9-PD, 638 nm, 10 mW, SM fiber, 9 µm, FC/PC, PD		213,60	253,32
SPL635-10-PM-PD, 638 nm, 10 mW, PM fiber, 4 µm, FC/APC, PD		906,30	1.074,83
RLCD-S63-10, 635 ±5 nm, 10 mW, SM fiber, 4 µm, NA 0.13, FC/APC	<b>EOL</b>	440,00	521,82
RLCD-S63-20, 635 ±5 nm, 20 mW, SM fiber, 4 µm, NA 0.13, no connector, no photodiode	<b>EOL</b>	525,00	622,63
SPL635-30-4, 638 nm, 30 mW, SM fiber, 4 µm, FC/PC		453,20	537,48
SPL635-30-4-PD, 638 nm, 30 mW, SM fiber, 4 µm, FC/PC, PD		566,40	671,73
SPL635-30-PM-PD, 638 nm, 30 mW, PM fiber, 4 µm, FC/APC, PD		1.019,60	1.209,20
SPL635-30-105M-PD, 638 nm, 30 mW, MM fiber, 105 µm, FC/PC, PD		213,60	253,32
SPL635-50-4, 638 nm, 50 mW, SM fiber, 4 µm, FC/PC		566,40	671,73
SPL635-50-4-PD, 638 nm, 50 mW, SM fiber, 4 µm, FC/PC, PD		566,40	671,73
SPL635-50-9, 638 nm, 50 mW, SM fiber, 9 µm, FC/PC		339,90	403,11
SPL635-50-9-PD, 638 nm, 50 mW, SM fiber, 9 µm, FC/PC, PD		339,90	403,11
SPL635-50-PM-PD, 638 nm, 50 mW, PM fiber, 4 µm, FC/APC, PD		1.078,90	1.279,53
SPL635-70-4, 638 nm, 70 mW, SM fiber, 4 µm, FC/PC		793,00	940,46
SPL635-80-4-PD, 638 nm, 80 mW, SM fiber, 4 µm, FC/PC, PD		906,30	1.074,83
SPL635-80-9, 638 nm, 80 mW, SM fiber, 9 µm, FC/PC		453,20	537,48
SPL635-80-9-PD, 638 nm, 80 mW, SM fiber, 9 µm, FC/PC, PD		453,20	537,48
SPL635-80-PM-PD, 638 nm, 80 mW, PM fiber, 4 µm, FC/APC, PD		1.726,30	2.047,32
SPL635-100-4-PD, 638 nm, 100 mW, SM fiber, 4 µm, FC/PC, PD		1.019,60	1.209,20
SPL635-100-9, 638 nm, 100 mW, SM fiber, 9 µm, FC/PC		499,50	592,39
SPL635-100-9-PD, 638 nm, 100 mW, SM fiber, 9 µm, FC/PC, PD		499,50	592,39
SPL635-100-PM-PD, 638 nm, 100 mW, PM fiber, 4 µm, FC/APC, PD		1.942,10	2.303,25
SPL635-120-105M, 638 nm, 120 mW, MM fiber, 105 µm, FC/PC		213,60	253,32
SPL635-120-105M-PD, 638 nm, 120 mW, MM fiber, 105 µm, FC/PC, PD		226,60	268,74
SPL635-150-105M-PD, 638 nm, 150 mW, MM fiber, 105 µm, FC/PC, PD		271,90	322,46
SPL635-300-105M, 638 nm, 300 mW, MM fiber, 105 µm, FC/PC		226,60	268,74
SPL635-350-105M, 638 nm, 350 mW, MM fiber, 105 µm, FC/PC		226,60	268,74
SPL635-400-105M, 638 nm, 400 mW, MM fiber, 105 µm, FC/PC		271,90	322,46
SPL635-1W-105M, 638 nm, 1 W, MM fiber, 105 µm, FC/PC		566,40	671,73
SPL635-1W8-200M, 638 nm, 1.8 W, MM fiber, 200 µm, FC/PC		679,70	806,10
SPL650-3-4-PD, 658 nm, 3 mW, SM fiber, 4 µm, FC/PC, PD		248,20	294,35
SPL650-5-4-PD, 658 nm, 5 mW, SM fiber, 4 µm, FC/PC, PD		249,20	295,54
SPL650-10-4-PD, 658 nm, 10 mW, SM fiber, 4 µm, FC/PC, PD		317,20	376,19
SPL650-10-PM-PD, 658 nm, 10 mW, PM fiber, 4 µm, FC/APC, PD		906,30	1.074,83
SPL650-15-4-PD, 658 nm, 15 mW, SM fiber, 4 µm, FC/PC, PD		362,50	429,91
SPL650-20-4-PD, 658 nm, 20 mW, SM fiber, 4 µm, FC/PC, PD		453,20	537,48
SPL650-20-C4, 658 nm, 20 mW, SM fiber, 4 µm, FC/PC, coaxial package		166,20	197,11
SPL650-20-C9, 658 nm, 20 mW, SM fiber, 9 µm, FC/PC, coaxial package		142,40	168,88
SPL650-30-PM, 658 nm, 30 mW, PM fiber, 4 µm, FC/APC		906,30	1.074,83
SPL650-30-105M-PD, 658 nm, 30 mW MM fiber, 105 µm, FC/PC, PD		189,90	225,21
SPL650-50-4, 658 nm, 50 mW, SM fiber, 4 µm, FC/PC		566,40	671,73
SPL650-50-9, 658 nm, 50 mW, SM fiber, 9 µm, FC/PC		262,00	310,72
SPL650-50-PM, 658 nm, 50 mW, PM fiber, 4 µm, FC/APC		1.019,60	1.209,20
SPL650-80-4, 658 nm, 80 mW, SM fiber, 4 µm, FC/PC		793,00	940,46
SPL650-80-PM, 658 nm, 80 mW, PM fiber, 4 µm, FC/APC		1.186,80	1.407,50
SPL650-80-9, 658 nm, 80 mW, SM fiber, 9 µm, FC/PC		339,90	403,11
SPL650-100-9, 658 nm, 100 mW, SM fiber, 9 µm, FC/PC		453,20	537,48
SPL650-100-4, 658 nm, 100 mW, SM fiber, 4 µm, FC/PC		1.019,60	1.209,20
SPL650-100-PM, 658 nm, 100 mW, PM fiber, 4 µm, FC/APC		1.510,50	1.791,39
SPL650-120-105M, 658 nm, 120 mW, MM fiber, 105 µm, FC/PC		226,60	268,74
SPL650-150-105M, 658 nm, 150 mW, MM fiber, 105 µm, FC/PC		271,90	322,46
SPL650-1W-105M, 658 nm, 1 W, MM fiber, 105 µm, FC/PC		861,00	1.021,11

SPL670-3-4-PD, 670 nm, 3 mW, SM fiber, 4 µm, FC/PC, PD	566,40	671,73	
SPL670-3-PM-PD, 670 nm, 3 mW, PM fiber, 4 µm, FC/APC, PD	906,30	1.074,83	
SPL670-5-4-PD, 670 nm, 5 mW, SM fiber, 4 µm, FC/PC, PD	793,00	940,46	
SPL670-5-PM-PD, 670 nm, 5 mW, PM fiber, 4 µm, FC/APC, PD	1.019,60	1.209,20	
SPL670-5-105M-PD, 670 nm, 5 mW, MM fiber, 105 µm, FC/PC, PD	271,90	322,46	
SPL670-10-105M-PD, 670 nm, 10 mW, MM fiber, 105 µm, FC/PC, PD	339,90	403,11	
SPL670-50-SM, 670 ±10 nm, 50 mW, SM fiber, 4 µm, N.A. 0.12, FC/PC con.	599,00	710,39	
SPL670-50-PM, 670 ±10 nm, 50 mW, PM fiber, 4 µm, N.A. 0.12, FC/PC con.	857,00	1.016,37	
SPL685-10-4-PD, 685 nm, 10 mW, SM fiber, 4 µm, FC/PC, PD	566,40	671,73	
SPL685-10-PM-PD, 685 nm, 10 mW, PM fiber, 4 µm, FC/APC, PD	906,30	1.074,83	
SPL685-15-4-PD, 685 nm, 15 mW, SM fiber, 4 µm, FC/PC, PD	679,70	806,10	
SPL685-15-PM-PD, 685 nm, 15 mW, PM fiber, 4 µm, FC/APC, PD	1.019,60	1.209,20	
SPL685-20-4-PD, 685 nm, 20 mW, SM fiber, 4 µm, FC/PC, PD	793,00	940,46	
SPL685-20-PM-PD, 685 nm, 20 mW, PM fiber, 4 µm, FC/APC, PD	1.186,80	1.407,50	
SPL685-30-105M-PD, 685 nm, 30 mW, MM fiber, 105 µm, FC/PC, PD	294,60	349,38	
<b>LD PIGTAILED   INFRARED   785 - 940 nm</b>	<b>Status</b>	<b>EUR / pc</b>	<b>USD / pc</b>
SPL785-5-5-PD, 785 nm, 5 mW, SM fiber, 5 µm, FC/PC, PD		328,60	389,71
SPL785-30-5-PD, 785 nm, 30 mW, SM fiber, 5 µm, FC/PC, PD		566,40	671,73
SPL785-30-PM-PD, 785 nm, 30 mW, PM fiber, 5 µm, FC/APC, PD		906,30	1.074,83
SPL785-40-5-PD, 785 nm, 40 mW, SM fiber, 5 µm, FC/PC, PD		793,00	940,46
SPL785-40-PM-PD, 785 nm, 40 mW, PM fiber, 5 µm, FC/APC, PD		1.019,60	1.209,20
SPL785-50-5-PD, 785 nm, 50 mW, SM fiber, 5 µm, FC/PC, PD		1.019,60	1.209,20
SPL785-50-PM-PD, 785 nm, 50 mW, PM fiber, 5 µm, FC/APC, PD		1.186,80	1.407,50
SPL785-50-105M-PD, 785 nm, 50 mW, MM fiber, 105 µm, FC/PC, PD		226,60	268,74
SPL808-20-5-PD, 808 nm, 20 mW, SM fiber, 5 µm, FC/PC, PD		566,40	671,73
SPL808-20-PM-PD, 808 nm, 20 mW, PM fiber, 5 µm, FC/APC, PD		906,30	1.074,83
SPL808-30-PM-PD, 808 nm, 30 mW, PM fiber, 5 µm, FC/APC, PD		1.019,60	1.209,20
RLCD-M81-40, 808 ±5 nm, 40 mW, MM fiber, 62.5 µm, FC connector		240,00	284,63
SPL808-40-5-PD, 808 nm, 40 mW, SM fiber, 5 µm, FC/PC, PD		793,00	940,46
SPL808-50-5-PD, 808 nm, 50 mW, SM fiber, 5 µm, FC/PC, PD		1.019,60	1.209,20
RLCD-M81-60, 808 ±5 nm, 60 mW, MM fiber, 62.5 µm, FC connector		237,60	281,78
SPL808-30-5-PD, 808 nm, 30 mW, SM fiber, 5 µm, FC/PC, PD		679,70	806,10
SPL808-150-65M-PD, 808 nm, 150 mW, MM fiber, 62.5 µm, FC/PC, PD		201,80	239,33
SPL808-200-105M-PD, 808 nm, 200 mW, MM fiber, 105 µm, FC/PC, PD		186,20	220,83
SPL830-5-5-PD, 830 nm, 5 mW, SM fiber, 5 µm, FC/PC, PD		362,50	429,91
SPL830-30-5-PD, 830 nm, 30 mW, SM fiber, 5 µm, FC/PC, PD		566,40	671,73
SPL830-30-PM-PD, 830 nm, 30 mW, PM fiber, 5 µm, FC/APC, PD		793,00	940,46
SPL830-50-5-PD, 830 nm, 50 mW, SM fiber, 5 µm, FC/PC, PD		679,70	806,10
SPL830-50-PM-PD, 830 nm, 50 mW, PM fiber, 5 µm, FC/APC, PD		906,30	1.074,83
SPL830-80-5-PD, 830 nm, 80 mW, SM fiber, 5 µm, FC/PC, PD		906,30	1.074,83
SPL830-80-PM-PD, 830 nm, 80 mW, PM fiber, 5 µm, FC/APC, PD		1.078,90	1.279,53
SPL830-100-5-PD, 830 nm, 100 mW, SM fiber, 5 µm, FC/PC, PD		1.186,80	1.407,50
SPL830-100-PM-PD, 830 nm, 100 mW, PM fiber, 5 µm, FC/APC, PD		1.186,80	1.407,50
SPL830-150-105M-PD, 830 nm, 150 mW, MM fiber, 105 µm, FC/PC, PD		226,60	268,74
SPL830-200-105M-PD, 830 nm, 200 mW, MM fiber, 105 µm, FC/PC, PD		271,90	322,46
SPL850-10-5-PD, 850 nm, 10 mW, SM fiber, 5 µm, FC/PC, PD		453,20	537,48
SPL850-30-5-PD, 850 nm, 30 mW, SM fiber, 5 µm, FC/PC, PD		566,40	671,73
SPL850-30-PM-PD, 850 nm, 30 mW, PM fiber, 5 µm, FC/APC, PD		906,30	1.074,83
SPL850-50-5-PD, 850 nm, 50 mW, SM fiber, 5 µm, FC/PC, PD		679,70	806,10
SPL850-50-PM-PD, 850 nm, 50 mW, PM fiber, 5 µm, FC/APC, PD		1.019,60	1.209,20
SPL850-50-105M-PD, 850 nm, 50 mW, MM fiber, 105 µm, FC/PC, PD		178,00	211,10
SPL850-70-5-PD, 850 nm, 50 mW, SM fiber, 5 µm, FC/PC, PD		793,00	940,46
SPL850-70-PM-PD, 850 nm, 70 mW, PM fiber, 5 µm, FC/APC, PD		1.186,80	1.407,50
SPL850-120-105M-PD, 850 nm, 120 mW, MM fiber, 105 µm, FC/PC, PD		226,60	268,74
SPL850-200-105M-PD, 850 nm, 200 mW, MM fiber, 105 µm, FC/PC, PD		271,90	322,46
SPL880-2-5-PD, 880 nm, >1 mW, SM fiber, 5 µm, FC/PC, PD		453,20	537,48
SPL880-2-PM-PD, 880 nm, >1 mW, PM fiber, 5 µm, FC/APC, PD		906,30	1.074,83
SPL880-2-105M-PD, 880 nm, 2 mW, MM fiber, 105 µm, FC/PC, PD		271,90	322,46
SPL905-30-5-PD, 905 nm, 30 mW, SM fiber, 5 µm, FC/PC, PD		566,40	671,73
SPL905-30-PM-PD, 905 nm, 30 mW, PM fiber, 5 µm, FC/APC, PD		906,30	1.074,83
SPL905-50-4-PD, 905 nm, 50 mW, SM fiber, 5 µm, FC/PC, PD		679,70	806,10
SPL905-50-PM-PD, 905 nm, 50 mW, PM fiber, 5 µm, FC/APC, PD		1.019,60	1.209,20
SPL905-50-105-PD, 905 nm, 50 mW, MM fiber, 105 µm, FC/PC, PD		249,20	295,54
SPL905-70-4-PD, 905 nm, 70 mW, SM fiber, 5 µm, FC/PC, PD		906,30	1.074,83
SPL905-100-105-PD, 905 nm, 100 mW, MM fiber, 105 µm, FC/PC, PD		294,60	349,38
SPL940-30-5-PD, 940 nm, 30 mW, SM fiber, 5 µm, FC/PC, PD		566,40	671,73
SPL940-30-9-PD, 940 nm, 30 mW, SM fiber, 9 µm, FC/PC, PD		271,90	322,46
SPL940-30-PM-PD, 940 ±10 nm, 30 mW, PM fiber, 4 µm, FC/APC		906,30	1.074,83
SPL940-50-5-PD, 940 nm, 50 mW, SM fiber, 5 µm, FC/PC, PD		679,70	806,10
SPL940-50-9-PD, 940 nm, 50 mW, SM fiber, 9 µm, FC/PC, PD		339,90	403,11
SPL940-50-PM-PD, 940 nm, 50 mW, PM fiber, 5 µm, FC/APC, PD		1.019,60	1.209,20
SPL940-80-5-PD, 940 nm, 80 mW, SM fiber, 5 µm, FC/PC, PD		793,00	940,46

SPL940-80-PM-PD, 940 nm, 80 mW, PM fiber, 5 µm, FC/APC, PD	1.078,90	1.279,53
SPL940-100-5-PD, 940 nm, 100 mW, SM fiber, 5 µm, FC/PC, PD	906,30	1.074,83
SPL940-100-9-PD, 940 nm, 100 mW, SM fiber, 9 µm, FC/PC, PD	453,20	537,48
SPL940-100-105M-PD, 940 nm, 100 mW, MM fiber, 105 µm, FC/PC, PD	271,90	322,46
SPL940-150-105M-PD, 940 nm, 150 mW, MM fiber, 105 µm, FC/PC, PD	339,90	403,11
SPL940-200-105M-PD, 940 nm, 200 mW, MM fiber, 105 µm, FC/PC, PD	407,80	483,63
<b>LD PIGTAILED   INFRARED   980 - 1390 nm</b>	<b>Status</b>	<b>EUR / pc</b>
SPL980-10-6-PD, 976 nm, 10 mW, SM fiber, 6 µm, FC/PC, PD		339,90
SPL980-10-9-PD, 976 nm, 10 mW, SM fiber, 9 µm, FC/PC, PD		189,90
SPL980-15-9-PD, 976 nm, 15 mW, SM fiber, 9 µm, FC/PC, PD		214,30
SPL980-20-9-PD, 976 nm, 20 mW, SM fiber, 9 µm, FC/PC, PD		238,10
SPL980-100-105M-PD, 976 nm, 100 mW, MM fiber, 105 µm, FC/PC, PD		189,90
SPL980-150-105M-PD, 976 nm, 150 mW, MM fiber, 105 µm, FC/PC, PD		213,60
SPL1064-10-6-PD, 1064 nm, 10 mW, SM fiber, 6 µm, FC/PC, PD		399,00
SPL1064-10-9-PD, 1064 nm, 10 mW, SM fiber, 9 µm, FC/PC, PD		360,10
SPL1064-10-PM-PD, 1064 nm, 10 mW, PM fiber, 6 µm, FC/APC, PD		761,90
SPL1064-15-6-PD, 1064 nm, 15 mW, SM fiber, 6 µm, FC/PC, PD		466,20
SPL1064-30-105M-PD, 1064 nm, 30 mW, MM fiber, 105 µm, FC/PC, PD		294,60
SPL1064-100-105M-PD, 1064 nm, 100 mW, MM fiber, 105 µm, FC/PC, PD		339,90
SPL1270-2-C9-PDI, 1270 nm, 2 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator, coaxial package		339,90
SPL1270-2-PM-PDI, 1270 nm, 2 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator		793,00
SPL1270-5-9-PDI, 1270 nm, 5 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator		407,80
SPL1270-5-PM-PDI, 1270 nm, 5 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator		906,30
SPL1270-10-9-PDI, 1270 nm, 10 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator		498,50
SPL1270-10-PM-PDI, 1270 nm, 10 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator		1.078,90
SPL1290-2-9-PDI, 1290 nm, 2 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator		339,90
SPL1290-2-C9-PDI, 1290 nm, 2 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator, coaxial package		339,90
SPL1290-2-PM-PDI, 1290 nm, 2 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator		793,00
SPL1290-5-9-PDI, 1290 nm, 5 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator		407,80
SPL1290-5-PM-PDI, 1290 nm, 5 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator		906,30
SPL1290-10-9-PDI, 1290 nm, 10 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator		498,50
SPL1290-10-PM-PDI, 1290 nm, 10 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator		1.078,90
FU-17SLD-F3M1, 1310 ±20 nm, 0.5 mW, FC-receptacle		142,04
LFO-14-IP, 1310 ±20 nm, 1 mW, FP, SM, 9/125 fiber, FC connector	<b>EOL</b>	262,00
LFO-14-D, 1310 ±20 nm, >1 mW, FP, SM, 9/125 fiber, FC connector, internal driver, 3V	<b>EOL</b>	283,00
SPL1310FP-1-C9-PD, 1310 nm, 1 mW, FP, SM fiber, 9 µm, FC/PC, PD, coaxial package		79,30
SPL1310FP-2-C9-PD, 1310 nm, 2 mW, FP, SM fiber, 9 µm, FC/PC, PD, coaxial package		102,00
SPL1310-2-C9-PDI, 1310 nm, 2 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator, coaxial package		339,90
SPL1310-2-PM-PDI, 1310 nm, 2 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator		793,00
SPL1310-3-C9-PD, 1310 nm, ≥2 mW, DFB, SM fiber, 9 µm, FC/PC, PD, coaxial package		189,90
SPL1310-5-9-PD, 1310 nm, 5 mW, DFB, SM fiber, 9 µm, FC/PC, PD		226,60
SPL1310-5-9-PDI, 1310 nm, 5 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator		407,80
SPL1310-5-PM-PDI, 1310 nm, 5 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator		906,30
SPL1310-10-9-PD, 1310 nm, 10 mW, DFB, SM fiber, 9 µm, FC/PC, PD		305,90
SPL1310-10-9-PDI, 1310 nm, 10 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator		498,50
SPL1310-10-PM-PD, 1310 nm, 10 mW, DFB, PM fiber, 9 µm, FC/APC, PD		799,00
SPL1310-10-PM-PDI, 1310 nm, 10 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator		761,90
SPL1310-15-9-PD, 1310 nm, 15 mW, DFB, SM fiber, 9 µm, FC/PC, PD		362,50
SPL1310-15-PM-PD, 1310 nm, 15 mW, DFB, PM fiber, 9 µm, FC/APC, PD		1.019,60
SPL1310-15-PM-PDI, 1310 nm, 15 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator		1.087,60
SPL1330-2-C9-PDI, 1330 nm, 2 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator, coaxial package		339,90
SPL1330-2-PM-PDI, 1330 nm, 2 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator		793,00
SPL1330-5-9-PDI, 1330 nm, 5 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator		407,80
SPL1330-5-PM-PDI, 1330 nm, 5 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator		906,30
SPL1330-10-9-PDI, 1330 nm, 10 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator		498,50
SPL1330-10-PM-PDI, 1330 nm, 10 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator		1.078,90
SPL1350-2-C9-PDI, 1350 nm, 2 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator, coaxial package		339,90
SPL1350-2-PM-PDI, 1350 nm, 2 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator		793,00
SPL1350-5-9-PDI, 1350 nm, 5 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator		407,80
SPL1350-5-PM-PDI, 1350 nm, 5 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator		906,30
SPL1350-10-9-PDI, 1350 nm, 10 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator		498,50
SPL1350-10-PM-PDI, 1350 nm, 10 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator		1.078,90
SPL1370-2-C9-PDI, 1370 nm, 2 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator, coaxial package		339,90
SPL1370-2-PM-PDI, 1370 nm, 2 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator		793,00
SPL1370-5-9-PDI, 1370 nm, 5 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator		407,80
SPL1370-5-PM-PDI, 1370 nm, 5 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator		906,30
SPL1370-10-9-PDI, 1370 nm, 10 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator		498,50

SPL1370-10-PM-PDI, 1370 nm, 10 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator	1.078,90	1.279,53	
SPL1390-2-C9-PDI, 1390 nm, 2 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator, coaxial package	339,90	403,11	
SPL1390-2-PM-PDI, 1390 nm, 2 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator	793,00	940,46	
SPL1390-5-9-PDI, 1390 nm, 5 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator	407,80	483,63	
SPL1390-5-PM-PDI, 1390 nm, 5 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator	906,30	1.074,83	
SPL1390-10-9-PDI, 1390 nm, 10 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator	498,50	591,20	
SPL1390-10-PM-PDI, 1390 nm, 10 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator	1.078,90	1.279,53	
<b>LD PIGTAILED   INFRARED   1410 - 1650 nm</b>	<b>Status</b>	<b>EUR / pc</b>	<b>USD / pc</b>
SPL1410-2-C9-PDI, 1410 nm, 2 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator, coaxial package		339,90	403,11
SPL1410-2-PM-PDI, 1410 nm, 2 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator		793,00	940,46
SPL1410-5-9-PDI, 1410 nm, 5 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator		407,80	483,63
SPL1410-5-PM-PDI, 1410 nm, 5 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator		906,30	1.074,83
SPL1410-10-9-PDI, 1410 nm, 10 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator		498,50	591,20
SPL1410-10-PM-PDI, 1410 nm, 10 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator		1.078,90	1.279,53
SPL1430-2-C9-PDI, 1430 nm, 2 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator, coaxial package		339,90	403,11
SPL1430-2-PM-PDI, 1430 nm, 2 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator		793,00	940,46
SPL1430-5-9-PDI, 1430 nm, 5 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator		407,80	483,63
SPL1430-5-PM-PDI, 1430 nm, 5 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator		906,30	1.074,83
SPL1430-10-9-PDI, 1430 nm, 10 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator		498,50	591,20
SPL1430-10-PM-PDI, 1430 nm, 10 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator		1.078,90	1.279,53
SPL1450-2-C9-PDI, 1450 nm, 2 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator, coaxial package		339,90	403,11
SPL1450-2-PM-PDI, 1450 nm, 2 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator		793,00	940,46
SPL1450-5-9-PDI, 1450 nm, 5 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator		407,80	483,63
SPL1450-5-PM-PDI, 1450 nm, 5 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator		906,30	1.074,83
SPL1450-10-9-PDI, 1450 nm, 10 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator		498,50	591,20
SPL1450-10-PM-PDI, 1450 nm, 10 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator		1.078,90	1.279,53
SPL1470-2-C9-PDI, 1470 nm, 2 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator, coaxial package		339,90	403,11
SPL1470-2-PM-PDI, 1470 nm, 2 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator		793,00	940,46
SPL1470-5-9-PDI, 1470 nm, 5 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator		407,80	483,63
SPL1470-5-PM-PDI, 1470 nm, 5 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator		906,30	1.074,83
SPL1470-10-9-PDI, 1470 nm, 10 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator		498,50	591,20
SPL1470-10-PM-PDI, 1470 nm, 10 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator		1.078,90	1.279,53
SPL1490-2-C9-PDI, 1490 nm, 2 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator, coaxial package		339,90	403,11
SPL1490-2-PM-PDI, 1490 nm, 2 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator		793,00	940,46
SPL1490-5-9-PDI, 1490 nm, 5 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator		407,80	483,63
SPL1490-5-PM-PDI, 1490 nm, 5 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator		906,30	1.074,83
SPL1490-10-9-PDI, 1490 nm, 10 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator		498,50	591,20
SPL1490-10-PM-PDI, 1490 nm, 10 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator		1.078,90	1.279,53
SPL1510-2-C9-PDI, 1510 nm, 2 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator, coaxial package		339,90	403,11
SPL1510-2-PM-PDI, 1510 nm, 2 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator		793,00	940,46
SPL1510-5-9-PDI, 1510 nm, 5 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator		407,80	483,63
SPL1510-5-PM-PDI, 1510 nm, 5 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator		906,30	1.074,83
SPL1510-10-9-PDI, 1510 nm, 10 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator		498,50	591,20
SPL1510-10-PM-PDI, 1510 nm, 10 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator		1.078,90	1.279,53
SPL1530-2-C9-PDI, 1530 nm, 2 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator, coaxial package		339,90	403,11
SPL1530-2-PM-PDI, 1530 nm, 2 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator		793,00	940,46
SPL1530-5-9-PDI, 1530 nm, 5 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator		407,80	483,63
SPL1530-5-9-PDI-FCA, 1530 nm, 5 mW, DFB, SM fiber, 9 µm, FC/APC, PD, isolator		407,80	483,63
SPL1530-5-PM-PDI, 1530 nm, 5 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator		906,30	1.074,83
SPL1530-10-9-PDI, 1530 nm, 10 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator		498,50	591,20
SPL1530-10-PM-PDI, 1530 nm, 10 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator		1.078,90	1.279,53
SPL1550FP-1-C9-PD, 1550 nm, 1 mW, FP, SM fiber, 9 µm, FC/PC, PD, coaxial package		79,30	94,05
SPL1550FP-2-C9-PD, 1550 nm, 2 mW, FP, SM fiber, 9 µm, FC/PC, PD, coaxial package		107,14	127,06
SPL1550FP-2-C9-PDI, 1550 nm, 2 mW, FP, SM fiber, 9 µm, FC/PC, PD, coaxial package, optical isolator		119,00	141,13
SPL1550-2-C9-PDI, 1550 nm, 2 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator, coaxial package		207,00	245,49
SPL1550-2-PM-PDI, 1550 nm, 2 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator		699,00	828,98
SPL1550-2-C9-PD, 1550 ±10 nm, 2 mW, DFB, 1.25 GB/s, SM fiber, 9 µm, N.A 0.12, coaxial package		184,00	218,22
SPL1550-3-C9-PD, 1550 nm, ≥2 mW, DFB, SM fiber, 9 µm, FC/PC, PD, coaxial package		189,90	225,21
SPL1550-3-C9-PD-FCA, 1550 nm, ≥2 mW, DFB, SM fiber, 9 µm, FC/APC, PD, coaxial package		189,90	225,21
SPL1550-5-9-PD, 1550 nm, 5 mW, DFB, SM fiber, 9 µm, FC/PC, PD		226,60	268,74
SPL1550-5-9-PDI, 1550 nm, 5 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator		253,00	300,05
SPL1550-5-PM-PDI, 1550 nm, 5 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator		906,30	1.074,83
SPL1550-8-9-PD, 1550 nm, 8 mW, DFB, SM fiber, 9 µm, FC/PC, PD		305,90	362,78
SPL1550-10-9-PD, 1550 nm, 10 mW, DFB, SM fiber, 9 µm, FC/PC, PD		362,50	429,91
SPL1550-10-9-PDI, 1550 nm, 10 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator		414,00	490,99
SPL1550-10-PM-PDI, 1550 nm, 10 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator		1.019,60	1.209,20
SPL1570-2-C9-PDI, 1570 nm, 2 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator, coaxial package		339,90	403,11
SPL1570-2-PM-PDI, 1570 nm, 2 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator		793,00	940,46
SPL1570-5-9-PDI, 1570 nm, 5 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator		407,80	483,63
SPL1570-5-9-PDI-FCA, 1570 nm, 5 mW, DFB, SM fiber, 9 µm, FC/APC, PD, isolator		407,80	483,63
SPL1570-5-PM-PDI, 1570 nm, 5 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator		906,30	1.074,83
SPL1570-10-9-PDI, 1570 ±10 nm, 10 mW, DFB, SM fiber, 9 µm, FC/PC con., photodiode, isolator		524,00	621,44

SPL1570-10-PM-PDI, 1570 ±10 nm, 10 mW, DFB, PM fiber, 9 µm, FC/APC con., photodiode, isolator	857,00	1.016,37
SPL1590-2-C9-PDI, 1590 nm, 2 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator, coaxial package	339,90	403,11
SPL1590-2-PM-PDI, 1590 nm, 2 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator	793,00	940,46
SPL1590-5-9-PDI, 1590 nm, 5 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator	407,80	483,63
SPL1590-5-PM-PDI, 1590 nm, 5 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator	906,30	1.074,83
SPL1590-8-9-PDI, 1590 nm, 8 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator	498,50	591,20
SPL1610-2-C9-PDI, 1610 nm, 2 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator, coaxial package	339,90	403,11
SPL1610-2-PM-PDI, 1610 nm, 2 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator	793,00	940,46
SPL1610-5-9-PDI, 1610 nm, 5 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator	407,80	483,63
SPL1610-5-PM-PDI, 1610 nm, 5 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator	906,30	1.074,83
SPL1610-8-9-PDI, 1610 nm, 8 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator	498,50	591,20
SPL1625-2-9-PDI, 1625 nm, 2 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator	453,20	537,48
SPL1625-2-C9-PDI, 1625 nm, 2 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator, coaxial package	453,20	537,48
SPL1625-2-PM-PDI, 1625 nm, 2 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator	1.019,60	1.209,20
SPL1625-5-9-PDI, 1625 nm, 5 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator	566,40	671,73
SPL1625-5-PM-PDI, 1625 nm, 5 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator	1.078,90	1.279,53
SPL1625-8-9-PDI, 1625 nm, 8 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator	679,70	806,10
SPL1650-2-9-PDI, 1650 nm, 2 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator	453,20	537,48
SPL1650-2-C9-PDI, 1650 nm, 2 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator, coaxial package	453,20	537,48
SPL1650-2-PM-PDI, 1650 nm, 2 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator	1.019,60	1.209,20
SPL1650-5-9-PDI, 1650 nm, 5 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator	566,40	671,73
SPL1650-5-PM-PDI, 1650 nm, 5 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator	1.078,90	1.279,53
SPL1650-8-9-PDI, 1650 nm, 8 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator	679,70	806,10

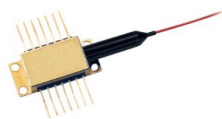
## LASER DIODES - FIBER RECEPTACLE



Fiber Receptacle Laser Diodes  
- single and multi mode  
- different connectors available  
375 - 980 nm

LD Fiber receptacle package	Status	EUR / pc	USD / pc
SPR375-100-105M-SC, 375 ±10 nm, 100 mW, SC connector, fiber receptacle, suitable for 105 µm MM fiber		1.186,80	1.407,50
SPR375-100-105M-T-9P-SMA, 375 ±10 nm, 100 mW, SMA connector, fiber receptacle, suitable for 105 µm MM fiber, TEC		1.726,30	2.047,32
SPR830-150-105M-PD, 830 nm, 150 mW, FC connector, receptacle, suitable for 105 µm MM fiber, PD		252,50	299,45
SPR830-180-62M-PD-FC, 830 ±15 nm, >160 mW, FC connector, fiber receptacle, suitable for 62.5 µm MM fiber, PD		220,90	261,98
SPR940-180-62M-PD-FC, 940 ±15 nm, 180 mW, FC connector, fiber receptacle, suitable for 62.5 µm MM fiber, PD		284,00	336,81
SPR980-100-105M-PD, 976 nm, 100 mW, FC connector, receptacle, suitable for 105 µm MM fiber, PD		203,90	241,82

## LASER DIODES - PIGTAILED HHL



High Power Pigtailed Laser Diodes  
- TEC  
- single and multi mode  
- different connectors and housings available  
395 - 1650 nm

LD PIGTAILED HHL   UV   395 - 400 nm	Status	EUR / pc	USD / pc
SPM395-200-105M-PDT-14P, 395 ±10 nm, 200 mW, MM fiber, 105 µm, N.A. 0.22, FC/PC, PD, TEC, 14-PIN		1.019,60	1.209,20
SPM400-400-105M-PDT-14P, 400 ±5 nm, 400 mW, MM fiber, 105 µm, N.A. 0.22, FC/PC, PD, TEC, 14-PIN		1.186,80	1.407,50
SPM405-300-105M-PDT-14P, 405 ±10 nm, 300 mW, MM fiber, 105 µm, N.A. 0.22, FC/PC, PD, TEC, 14-PIN		906,30	1.074,83
SPM405-450-105M-PDT-14P, 405 ±10 nm, 450 mW, MM fiber, 105 µm, N.A. 0.22, FC/PC, PD, TEC, 14-PIN		1.019,60	1.209,20
SPM405-50-3-PDT-14P, 405 ±10 nm, 50 mW, SM fiber, 3 µm, N.A. 0.12, FC/PC, PD, TEC, 14-PIN		1.281,80	1.520,16
LD PIGTAILED HHL   VISIBLE   445 - 690 nm	Status	EUR / pc	USD / pc
SPM445-3W5-105M-PDT-9P, 445 ±10 nm, >3 W, MM fiber, 105 µm, N.A. 0.22, FC/PC, PD, TEC, 9-PIN		906,30	1.074,83
SPM450-800-105M-PDT-14P, 450 nm, 800 mW, MM fiber, 105 µm, FC/PC, PD, TEC, 14-Pin		679,70	806,10
SPM450-1W-105M-PD-4P, 450 nm, 1 W, MM fiber, 105 µm, FC/PC, PD, 4-Pin		566,40	671,73
SPM450-1W-105M-PDT-14P, 450 ±10 nm, >800 mW, MM fiber, 105 µm, N.A. 0.22, FC/PC, PD, TEC, 14-PIN		793,00	940,46
SPM450-3W5-50M-PDT-9P, 450 nm, 3.5 W, MM fiber, 50 µm, FC/PC, PD, TEC, 9-Pin		1.019,60	1.209,20
SPM450-3W5-105M-P2, 450 nm, 3.5 W, MM fiber, 105 µm, FC/PC		679,70	806,10
SPM450-3W5-105M-PDT-9P, 450 nm, 3.5 W, MM fiber, 105 µm, FC/PC, PD, TEC, 9-Pin		906,30	1.074,83
SPM450-3W5-200M-PDT-9P, 450 nm, 3.5 W, MM fiber, 200 µm, FC/PC, PD, TEC, 9-Pin		667,00	791,03
SPM450-10W-200M-H, 450 nm, 10 W, MM fiber, 200 µm, FC/PC, HHL		1.402,60	1.663,43
SPM450-20W-200M-H, 450 nm, 20 W, MM fiber, 200 µm, FC/PC, HHL		1.674,00	1.985,29
SPM455-4W-200M-PDT-9P, 455 ±10 nm, 4 W, MM fiber, 200 µm, N.A. 0.22, FC/PC, PD, TEC, 9-PIN		793,00	940,46
SPM465-2W-105M-PDT-9P, 465 nm, 2 W, MM fiber, 105 µm, FC/PC, PD, TEC, 9-Pin		1.019,60	1.209,20
SPM465-7W-200M-H, 465 nm, 7 W, MM fiber, 200 µm, FC/PC, HHL		2.255,00	2.674,34
SPM465-15W-400M-H, 465 nm, 15 W, MM fiber, 400 µm, FC/PC, HHL		3.301,60	3.915,56
SPM520-80-9-PDT-8P, 520 ±10 nm, 80 mW, SM fiber, 9 µm, N.A. 0.12, FC/PC, TECH, 8-PIN		793,00	940,46



SPM520-200-105M-PDT-14P, 520 nm, 200 mW, MM fiber, 105 µm, FC/PC, PD, TEC, 14-Pin	638,70	757,47	
SPM520-800-105M-PDT-9P, 520 nm, 800 mW, MM fiber, 105 µm, FC/PC, PD, TEC, 9-Pin	793,00	940,46	
SPM520-1W2-105M-PDT-9P, 520 nm, >1 W, MM fiber, 105 µm, FC/PC, PD, TEC, 9-Pin	799,00	947,58	
SPM525-800-105M-PDT-9P, 525 ±10 nm, >700 mW, MM fiber, 105 µm, N.A. 0.22, FC/PC, PD, TEC, 9-PIN	793,00	940,46	
SPM525-1W2-105M-PDT-9P, 525 ±10 nm, >1 W, MM fiber, 105 µm, N.A. 0.22, FC/PC, PD, TEC, 9-PIN	906,30	1.074,83	
SPM525-2W5-200M-H, 525 nm, 2.5 W, MM fiber, 200 µm, FC/PC, HHL	1.834,20	2.175,28	
SPM525-5W-200M-H, 525 nm, 5 W, MM fiber, 200 µm, FC/PC, HHL	2.665,00	3.160,58	
SPM530-1W-105M-PDT-9P, 532 ±10 nm, 1 W, MM fiber, 105 µm, N.A. 0.22, FC/PC, PD, TEC, 9-PIN	928,60	1.101,28	
SPM630-300-105M-PDT-9P, 630 ±5 nm, 300 mW, MM fiber, 105 µm, N.A. 0.22, FC/PC, PD, TEC, 9-PIN	1.186,80	1.407,50	
SPM633-700-105M-PDT-9P, 633 ±5 nm, 700 mW, MM fiber, 105 µm, N.A. 0.22, FC/PC, PD, TEC, 9-PIN	1.021,00	1.210,86	
RLCD-M63H-350, 635 ±10 nm, 350 mW, MM fiber, 100 µm, FC or SMA Connector	2.108,00	2.500,00	
SPM635-400-400M-PDT-14P, 638 nm, 400 mW, MM fiber, 400 µm, FC/PC, PD, TEC, 14-Pin	679,70	806,10	
RLCD-M63H-1W, 635 ±10 nm, 1 W, MM fiber bundle, 400 µm, FC or SMA Connector	5.275,00	6.255,93	
SPM635-1W-105M-PDT-9P, 638 nm, 1 W, MM fiber, 105 µm, FC/PC, PD, TEC, 9-Pin	762,00	903,70	
SPM635-1W8-200M-PDT-9P, 638 nm, 1.8 W, MM fiber, 200 µm, FC/PC, PD, TEC, 9-Pin	1.019,60	1.209,20	
RLCD-M63H-2W, 635 ±10 nm, 2 W, MM fiber bundle, 400 µm, FC or SMA Connector	7.610,00	9.025,14	
RLCD-M65H-200, 650 ±5 nm, 200 mW, MM fiber, 100 µm, FC or SMA Connector	620,00	735,29	
SPM653-700-105M-PDT-9P, 653 ±5 nm, 700 mW, MM fiber, 105 µm, N.A. 0.22, FC/PC, PD, TEC, 9-PIN	1.402,60	1.663,43	
SPM650-800-105M-4P, 658 nm, 800 mW, MM fiber, 105 µm, FC/PC, 4-Pin	725,10	859,94	
SPM650-800-105M-PDT-9P, 658 nm, 800 mW, MM fiber, 105 µm, FC/PC, PD, TEC, 9-Pin	1.019,60	1.209,20	
SPM650-1W-105M-PDT-9P, 658 nm, 1 W, MM fiber, 105 µm, FC/PC, PD, TEC, 9-Pin	1.078,90	1.279,53	
SPM660-10-4-PDT-8P, 660 nm, 10 mW, SM fiber, 4 µm, FC/PC, PD, TEC, 8-Pin	543,80	644,92	
SPM660-20-4-T-8P, 660 nm, 20 mW, SM fiber, 4 µm, FC/PC, TEC, 8-Pin	385,20	456,83	
RLCD-S66H-40, 660 ±5 nm, 40 mW, SM fiber, 4 µm, HHL, TEC, FC-Connector	978,00	1.159,87	
RLCD-S66H-60, 660 ±5 nm, 60 mW, SM fiber, 4 µm, HHL, TEC, FC-Connector	o.r.	o.r.	
SPM660-60-4-T-8P, 660 nm, 60 mW, SM fiber, 4 µm, FC/PC, TEC, 8-Pin	793,00	940,46	
RLCD-S66H-80, 660 ±5 nm, 80 mW, SM fiber, 4 µm, HHL, TEC, FC-Connector	o.r.	o.r.	
SPM660-80-4-T-8P, 660 nm, 80 mW, SM fiber, 4 µm, FC/PC, TEC, 8-Pin	1.019,60	1.209,20	
SPM660-800-105M-PDT-14P, 660 ±10 nm, 800 mW, MM fiber, 105 µm, N.A. 0.22, FC/PC, PD, TEC, 14-PIN	793,00	940,46	
SPM660-1W-105M-PDT-14P, 660 ±10 nm, 1 W, MM fiber, 105 µm, FC/PC, PD, TEC, 14-Pin	793,00	940,46	
G066PU214W, 660 ±5 nm, 1.4 W, MM, 430 µm fiber, TEC, SMA connector	3.153,19	3.739,55	
SPM660-3W-300M-T-10P, 660 ±10 nm, 3 W, MM fiber, 3x105 µm, FC/PC, TEC, 10-Pin	2.084,00	2.471,54	
G066PU335W, 660 ±5 nm, 3.5 W, MM, 600 µm fiber, TEC, SMA connector	5.382,71	6.383,67	
SPM660-5W-400M-T-10P, 660 ±10 nm, 5 W, MM fiber, 5x105 µm, FC/PC, TEC, 10-Pin	2.895,00	3.433,35	
SPM670-50-4-T8P, 670 nm, 50 mW, SM fiber, 4 µm, FC/PC, TEC, thermistor, 8-Pin	799,00	947,58	
SPM670-50-PM-T8P, 670 nm, 50 mW, PM fiber, 4 µm, FC/PC, TEC, thermistor, 8-pin	899,00	1.066,18	
G067PU160M, 670 ±10 nm, 160 mW, MM, 100 µm fiber, FC connector	810,00	960,63	
G067PU200M, 670 ±10 nm, 200 mW, MM, 100 µm fiber, FC connector	1.200,00	1.423,15	
SPM680-800-105M-4P, 680 nm, >750 mW, MM fiber, 105 µm, FC/PC, 4-Pin	1.087,60	1.289,85	
SPM680-800-105M-PDT-9P, 680 nm, >750 mW, MM fiber, 105 µm, FC/PC, PD, TEC, 9-Pin	1.294,70	1.535,46	
SPM690-800-105M-PDT-9P, 690 ±10 nm, >750 mW, MM fiber, 105 µm, N.A. 0.22, FC/PC, PD, TEC, 9-PIN	1.402,60	1.663,43	
<b>LD PIGTAILED HHL   INFRARED   780 - 940 nm</b>	<b>Status</b>	<b>EUR / pc</b>	<b>USD / pc</b>
RLT780M-1WFC, 785 ±5 nm, 1 W, MM, 100 µm, fiber, TEC, FC/PC, 14-Pin butterfly		831,00	985,53
RLT780M-1.5WFC, 785 ±5 nm, 1 W, MM, 100 µm, fiber, TEC, FC/PC, 14-Pin butterfly		982,80	1.165,56
SPM785-2W-105M-PDT-14P, 785 nm, 2 W, MM fiber, 105 µm, FC/PC, PD, TEC, 14-Pin		793,00	940,46
SPM785-3W-105M-2P, 785 nm, 3 W, MM fiber, 105 µm, FC/PC, 2-Pin		566,40	671,73
SPM785-3W-105M-PDT-9P, 785 nm, 3 W, MM fiber, 105 µm, FC/PC, PD, TEC, 9-Pin		793,00	940,46
SPM808-2W-105M-PDT-14P, 808 nm, 2 W, MM fiber, 105 µm, FC/PC, PD, TEC, 14-Pin		587,00	696,16
SPM808-2W5-105M-2P, 808 nm, 2.5 W, MM fiber, 105 µm, FC/PC, 2-Pin		271,90	322,46
SPM808-4W-105M-2P, 808 nm, 4 W, MM fiber, 105 µm, FC/PC, 2-Pin		339,90	403,11
SPM808-4W-105M-PDT-9P, 808 nm, 4 W, MM fiber, 105 µm, FC/PC, PD, TEC, 9-Pin		793,00	940,46
SPM808-5W-105M-2P, 808 nm, 5 W, MM fiber, 105 µm, FC/PC, 2-Pin		362,50	429,91
SPM808-8W-105M-2P, 808 nm, 8 W, MM fiber, 105 µm, FC/PC, 2-Pin		498,50	591,20
SPM808-8W-105M-PDT-9P, 808 nm, 8 W, MM fiber, 105 µm, FC/PC, PD, TEC, 9-Pin		906,30	1.074,83
RLCO-808-2000-F, 808 ±3 nm, 2 W, MM, 100 µm fiber, NA 0.22, SMA connector	<b>EOL</b>	499,00	591,79
SPM830-1W-50M-2P, 830 nm, 1 W, MM fiber, 50 µm, FC/PC, 2-Pin		336,00	398,48
SPM830-2W-105M-PDT-14P, 830 nm, 2 W, MM fiber, 105 µm, FC/PC, PD, TEC, 14-Pin		793,00	940,46
SPM830-3W-105M-2P, 830 nm, 3 W, MM fiber, 105 µm, FC/PC, 2-Pin		453,20	537,48
SPM860-2W-105M-PD-4P, 860 nm, 2 W, MM fiber, 105 µm, FC/PC, PD, 4-Pin		634,40	752,37
SPM860-2W-200M-PDT-14P, 860 nm, 2 W, MM fiber, 200 µm, FC/PC, PD, TEC, 14-Pin		906,30	1.074,83
SPM880-2W-105M-PDT-14P, 880 nm, 2 W, MM fiber, 105 µm, FC/PC, PD, TEC, 14-Pin		793,00	940,46
SPM880-3W-105M-2P, 880 nm, 3 W, MM fiber, 105 µm, FC/PC, 2-Pin		419,10	497,04

SPM915-2W-105M-PDT-14P, 915 nm, 2 W, MM fiber, 105 µm, FC/PC, PD, TEC, 14-Pin	698,60	828,51	
SPM915-10W-105M-2P, 915 nm, 10 W, MM fiber, 105 µm, FC/PC, 2-Pin	252,50	299,45	
SPM915-10W-105M-PDT-9P, 915 nm, 10 W, MM fiber, 105 µm, FC/PC, PD, TEC, 9-Pin	698,60	828,51	
SPM915-10W-105M-PDTA-15P, 915 nm, 10 W, MM fiber, 105 µm, FC/PC, PD, TEC, Aiming Beam, 15-Pin	873,90	1.036,41	
SPM915-20W-105M-H2P, 915 nm, 20 W, MM fiber, 105 µm, FC/PC, 2-Pin	378,70	449,12	
SPM915-30W-105M-H2P, 915 nm, 30 W, MM fiber, 105 µm, FC/PC, 2-Pin	512,50	607,80	
SPM940-2W-105M-PDT-14P, 940 nm, 2 W, MM fiber, 105 µm, FC/PC, PD, TEC, 14-Pin	698,60	828,51	
SPM940-10W-105M-2P, 940 nm, 10 W, MM fiber, 105 µm, FC/PC, 2-Pin	315,60	374,29	
SPM940-10W-105M-PDT-9P, 940 nm, 10 W, MM fiber, 105 µm, FC/PC, PD, TEC, 9-Pin	698,60	828,51	
SPM940-10W-105M-PDTA-15P, 940 nm, 10 W, MM fiber, 105 µm, FC/PC, PD, TEC, Aiming Beam, 15-Pin	873,90	1.036,41	
SPM940-20W-105M-H2P, 940 nm, 20 W, MM fiber, 105 µm, FC/PC, 2-Pin	512,50	607,80	
SPM940-30W-105M-H2P, 940 nm, 30 W, MM fiber, 105 µm, FC/PC, 2-Pin	698,60	828,51	
<b>LD PIGTAILED HHL   INFRARED   975 - 1650 nm</b>	<b>Status</b>	<b>EUR / pc</b>	<b>USD / pc</b>
RLCO-980-0500-F, 980 ±10 nm, 0.5 W, MM, 100 µm fiber, NA 0.22, SMA connector	<b>EOL</b>	193,00	228,89
SPM980-2W-105M-PDT-14P, 976 nm, 2 W, MM fiber, 105 µm, FC/PC, PD, TEC, 14-Pin		598,80	710,15
SPM980-10W-105M-2P, 976 nm, 10 W, MM fiber, 105 µm, FC/PC, 2-Pin		252,50	299,45
SPM980-10W-105M-PDT-9P, 976 nm, 10 W, MM fiber, 105 µm, FC/PC, PD, TEC, 9-Pin		698,60	828,51
SPM980-10W-105M-PDTA-15P, 976 nm, 10 W, MM fiber, 105 µm, FC/PC, PD, TEC, Aiming Beam, 15-Pin		873,90	1.036,41
SPM980-10W-105M-PDT-9P-SMA, 976 nm, 10 W, MM fiber, 105 µm, SMA905, PD, TEC, 9-Pin		793,00	940,46
SPM980-10W-200M-PDT-9P-SMA, 976 nm, 10 W, MM fiber, 200 µm, SMA905, PD, TEC, 9-Pin		698,60	828,51
SPM980-20W-105M-H2P, 976 nm, 20 W, MM fiber, 105 µm, FC/PC, 2-Pin		451,00	534,87
SPM980-30W-105M-H2P, 976 nm, 30 W, MM fiber, 105 µm, FC/PC, 2-Pin		638,70	757,47
SPM980-30W-105M-T-H, 976 ±15 nm, 30 W, MM fiber, 105 µm, FC/PC, TEC		1.038,50	1.231,62
SPM1064-1W-105M-PDT-14P, 1064 nm, 1 W, MM fiber, 105 µm, FC/PC, PD, TEC, 14-Pin		758,50	899,55
SPM1064-8W-105M-2P, 1064 nm, >7 W, MM fiber, 105 µm, FC/PC, 2-Pin		378,70	449,12
SPM1064-8W-105M-PDT-9P, 1064 nm, >7 W, MM fiber, 105 µm, FC/PC, PD, TEC, 9-Pin		776,80	921,25
SPM1064-8W-105M-PDTA-15P, 1064 nm, >7 W, MM fiber, 105 µm, FC/PC, PD, TEC, Aiming Beam, 15-Pin		944,10	1.119,66
SPM1064-25W-105M-H2P, 1064 nm, >24 W, MM fiber, 105 µm, FC/PC, 2-Pin		873,90	1.036,41
G131PU001S, 1310 ±30 nm, SM fiber, 1 mW, tr/ts 0.5 ns, TEC		345,00	409,16
SPM1310-1W-105M-PDT-14P, 1310 ±30 nm, 1 W, MM fiber, 105 µm, N.A. 0.22, PD, TEC, FC/PC		1.145,00	1.357,92
SPM1310-1W2-105M-2P, 1310 ±30 nm, 1.2 W, MM fiber, 105 µm, N.A. 0.22, FC/PC		762,00	903,70
SPM1350-10-9-PDTI-8P, 1350 nm, 10 mW, DFB, SM fiber, 9 µm, FC/PC, PD, TEC, isolator, 8-Pin		725,10	859,94
SPM1350-10-9-PDTI-14P, 1350 nm, 10 mW, DFB, SM fiber, 9 µm, FC/PC, PD, TEC, isolator, 14-Pin		678,70	804,91
SPM1450-2W-105M-PDT-9P, 1450 ±40 nm, 2 W, MM fiber, 105 µm, N.A. 0.22, FC/PC, PD, TEC, 9-PIN		906,30	1.074,83
SPM1450-7W-300M-T-H, 1450 nm, >6 W, MM fiber, <300 µm, FC/PC, TEC		2.460,00	2.917,46
SPM1450-12W-400M-T-H, 1450 nm, >11 W, MM fiber, <400 µm, FC/PC, TEC		3.107,40	3.685,25
SPM1450-15W-400M-T-H, 1450 nm, 15 W, MM fiber, <400 µm, FC/PC, TEC		4.191,70	4.971,18
SPM1470-2W-105M-PDT-9P, 1470 nm, 2 W, MM fiber, 105 µm, FC/PC, PD, TEC, 9-Pin		906,30	1.074,83
SPM1470-2W-105M-PDTA-15P, 1470 nm, 2 W, MM fiber, 105 µm, FC/PC, PD, TEC, Aiming Beam, 15-Pin		1.078,90	1.279,53
SPM1470-2W5-105M-2P, 1470 nm, ≥2 W, MM fiber, 105 µm, FC/PC, 2-Pin		679,70	806,10
SPM1470-2W5-105M-PDTA-15P, 1470 nm, 2.5 W, MM fiber, 105 µm, FC/PC, PD, TEC, Aiming Beam, 15-Pin		1.294,70	1.535,46
SPM1470-3W-105M-2P, 1470 nm, 3 W, MM fiber, 105 µm, FC/PC, 2-Pin		906,30	1.074,83
SPM1470-3W-105M-PDT-9P, 1470 nm, 2 W, MM fiber, 105 µm, FC/PC, PD, TEC, 9-Pin		1.078,90	1.279,53
SPM1470-7W-300M-T-H, 1470 nm, >6 W, MM fiber, <300 µm, FC/PC, TEC		2.460,00	2.917,46
SPM1470-12W-400M-T-H, 1470 nm, >11 W, MM fiber, <400 µm, FC/PC, TEC		3.107,40	3.685,25
SPM1470-15W-400M-T-H, 1470 nm, 15 W, MM fiber, <400 µm, FC/PC, TEC		4.191,70	4.971,18
SPM1530-1W5-105M-PDT-9P, 1530 ±40 nm, 1.5 W, MM fiber, 105 µm, N.A. 0.22, FC/PC, PD, TEC, 9-PIN		906,30	1.074,83
SPM1530-5W-300M-T-H, 1530 nm, >4.5 W, MM fiber, <300 µm, FC/PC, TEC		2.460,00	2.917,46
SPM1530-8W-400M-T-H, 1530 nm, 8 W, MM fiber, <400 µm, FC/PC, TEC		3.107,40	3.685,25
SPM1530-10W-400M-T-H, 1530 nm, 10 W, MM fiber, <400 µm, FC/PC, TEC		4.191,70	4.971,18
SPM1550-1W5-105M-2P, 1550 nm, 1.5 W, MM fiber, 105 µm, FC/PC, 2-Pin		679,70	806,10
SPM1550-1W5-105M-PDT-9P, 1550 nm, 1.5 W, MM fiber, 105 µm, FC/PC, PD, TEC, 9-Pin		906,30	1.074,83
SPM1550-2W5-105M-2P, 1550 nm, 2.5 W, MM fiber, 105 µm, FC/PC, 2-Pin		906,30	1.074,83
SPM1550-2W5-105M-PDT-9P, 1550 nm, 2.5 W, MM fiber, 105 µm, FC/PC, PD, TEC, 9-Pin		1.078,90	1.279,53
SPM1550-2W5-105M-PDTA-15P, 1550 nm, 2.5 W, MM fiber, 105 µm, FC/PC, PD, TEC, Aiming Beam, 15-Pin		1.294,70	1.535,46
SPM1550-5W-300M-T-H, 1550 nm, >4.5 W, MM fiber, <300 µm, FC/PC, TEC		2.460,00	2.917,46
SPM1550-8W-400M-T-H, 1550 nm, 8 W, MM fiber, <400 µm, FC/PC, TEC		3.107,40	3.685,25
SPM1550-10W-400M-T-H, 1550 nm, 10 W, MM fiber, <400 µm, FC/PC, TEC		4.191,70	4.971,18
SPM1650-5-9-PDTI-14P, 1650 ±10 nm, 5 mW, DFB, SM fiber, 9 µm, N.A. 0.12, FC/PC, PD, TEC, Isolator, 14-PIN		738,50	875,83

# LASER DIODES - BARS, ARRAYS

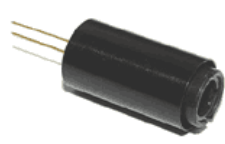


high power laser diodes  
- bars, linear & stacked arrays  
- cw power up to 280 W  
- qcw power up to 1200 W

780 - 980 nm

LD SINGLE BARS	Status	EUR / pc	USD / pc
AB081C20W, 810±10 nm, 20 W, cw, 25 x 25 x 13 mm <sup>3</sup>			o.r.
AB081C40W, 810±10 nm, 40 W, cw, 25 x 25 x 13 mm <sup>3</sup>			o.r.
AB081Q60W, 810±10 nm, 60 W, qcw, 25 x 25 x 13 mm <sup>3</sup>			o.r.
AB081Q100W, 810±10 nm, 100 W, qcw, 25 x 25 x 13 mm <sup>3</sup>			o.r.
AB098C20W, 980±10 nm, 20 W, cw, 25 x 25 x 13 mm <sup>3</sup>			o.r.
AB098C40W, 980±10 nm, 40 W, cw, 25 x 25 x 13 mm <sup>3</sup>			o.r.
LD LINEAR ARRAYS	Status	EUR / pc	USD / pc
AL081C60W, 780..830 nm, 60 W, cw, 57 x 12 x 15.5 mm <sup>3</sup>		1.215,00	1.440,94
AL081C100W, 780..830 nm, 100 W, cw, 57 x 12 x 15.5 mm <sup>3</sup>		2.025,00	2.401,57
AL081C120W, 780..830 nm, 120 W, cw, 57 x 12 x 15.5 mm <sup>3</sup>		2.430,00	2.881,88
AL081C140W, 780..830 nm, 140 W, cw, 57 x 12 x 15.5 mm <sup>3</sup>		2.835,00	3.362,19
AL081C200W, 780..830 nm, 200 W, cw, 57 x 12 x 15.5 mm <sup>3</sup>		4.050,00	4.803,13
AL081C280W, 780..830 nm, 280 W, cw, 57 x 12 x 15.5 mm <sup>3</sup>		5.670,00	6.724,38
LD STACKED ARRAYS	Status	EUR / pc	USD / pc
AS081C60W, 780..830 nm, 60 W, cw, 40 x 23.6 x 11 mm <sup>3</sup>		2.062,50	2.446,04
AS081C100W, 780..830 nm, 100 W, cw, 40 x 23.6 x 11 mm <sup>3</sup>		3.066,25	3.636,44
AS081C120W, 780..830 nm, 120 W, cw, 40 x 23.6 x 11 mm <sup>3</sup>		2.866,88	3.400,00
AS081C140W, 780..830 nm, 140 W, cw, 40 x 23.6 x 11 mm <sup>3</sup>		4.122,25	4.888,82
AS081C200W, 780..830 nm, 200 W, cw, 40 x 23.6 x 11 mm <sup>3</sup>		o.r.	o.r.
AS081C280W, 780..830 nm, 280 W, cw, 40 x 23.6 x 11 mm <sup>3</sup>		5.500,00	6.522,77
AS081C320W, 780..830 nm, 320 W, cw, 40 x 23.6 x 11 mm <sup>3</sup>		6.710,00	7.957,78
AS081C480W, 780..830 nm, 480 W, cw, 40 x 23.6 x 11 mm <sup>3</sup>		9.748,75	11.561,61
AS098C60W, 920..980 nm, 60 W, cw, 30 x 14 x 10 mm <sup>3</sup>		2.062,50	2.446,04
AS098C100W, 920..980 nm, 100 W, cw, 30 x 14 x 10 mm <sup>3</sup>		3.066,25	3.636,44
AS081Q300W, 780..830 nm, 300 W, qcw, 30 x 14 x 10 mm <sup>3</sup>		o.r.	o.r.
AS081Q600W, 780..830 nm, 600 W, qcw, 30 x 14 x 10 mm <sup>3</sup>		o.r.	o.r.
AS081Q1200W, 780..830 nm, 1200 W, qcw, 30 x 14 x 10 mm <sup>3</sup>		o.r.	o.r.
AS081Q3000W, 780..830 nm, 3000 W, qcw, 30 x 14 x 10 mm <sup>3</sup>		o.r.	o.r.
AS081Q5000W, 780..830 nm, 5000 W, qcw, 30 x 14 x 10 mm <sup>3</sup>		o.r.	o.r.
AS081Q15000W, 780..830 nm, 15000 W, qcw, 30 x 14 x 10 mm <sup>3</sup>		o.r.	o.r.
AS098Q300W, 920..980 nm, 300 W, qcw, 30 x 14 x 10 mm <sup>3</sup>		o.r.	o.r.
AS098Q600W, 920..980 nm, 600 W, qcw, 30 x 14 x 10 mm <sup>3</sup>		o.r.	o.r.
AS098Q1200W, 920..980 nm, 1200 W, qcw, 30 x 14 x 10 mm <sup>3</sup>		o.r.	o.r.

# VCSELS



VCSEL (Vertical Cavity Surface Emitting Laser diode)  
infrared  
power up to 20 mW cw

850 and 980 nm

VCSELS   INFRARED	Status	EUR / pc	USD / pc
VC850S-SMD, 850 nm, 0.5 mW, 3.5 mA, SM, 8°, SMD 0603		9,05	10,73
VC850M-SMD, 850 nm, 0.5 mW, 4 mA, MM, 6°, SMD 0603		8,35	9,90
VC850M-TO46GL, 850 nm, 2 mW, 6 mA, MM, 5°, TO-46, glass lens		12,58	14,92
VC850M-H-TO46GL, 850 nm, 10 mW, 20 mA, MM, 2°, TO-46, glass lens	EOL	16,20	19,21
VC850M-Z-TO46GL, 850 nm, 10 mW, 20 mA, MM, 8°, TO-46, glass lens, Zener Diode	NEW	16,20	19,21
VC850M-H-TO46FW-PD, 850 nm, 8 mW, 20 mA, MM, TO-46, flat window, PD		15,92	18,88
VC850M-Z-TO18FW, 850 nm, 10 mW, 20 mA, MM, TO-18, flat window, Zener diode		15,92	18,88
VC980M-TO46FW, 980 nm, 1.5 mW, 6 mA, MM, 20°, TO-46, flat window		11,20	13,28
VCSEL Modules   INFRARED	Status	EUR / pc	USD / pc
VC850MZ-MODULE, 850 nm, max. 10 mW, 20 mA, MM, Ø10x18 mm	NEW	68,00	80,65
VC850M2-MODULE, 850 nm, max. 15 mW, 50 mA, MM, Ø10x18 mm	EOL	68,00	80,65
VC980M-MODULE, 980 nm, max. 0.75 mW, 6 mA, MM, Ø10x18 mm		51,80	61,43


# LASER DIODE ACCESSORIES







LD Mounting Tubes	Status	EUR / pc	USD / pc
 <p>laser diode optic mounting tubes used for mounting laser diodes with 5.6 mm or 9 mm packages and diverse collimating optics with standard thread M9 x 0.5 mm aluminium, black anodized</p>			
LDMT-56-10, 5.6 mm LD mounting tube, Ø10x18 mm, thread M9 x 0.5		14,29	16,95
LDMT-56-10-LT, 5.6 mm LD mounting tube, Ø10x18 mm, long thread M9 x 0.5		14,29	16,95
LDMT-90-10, 9.0 mm LD mounting tube, Ø10x18 mm, thread M9 x 0.5		14,29	16,95
LDMT-90-10-LT, 9.0 mm LD mounting tube, Ø10x18 mm, long thread M9 x 0.5		14,29	16,95
LDMT-90-11, 9.0 mm LD mounting tube, Ø11x18 mm, thread M9 x 0.5		14,29	16,95
LD Mounting Tubes   Complete Assembly	Status	EUR / pc	USD / pc
 <p>Complete Laser Diode Assembly</p> <ul style="list-style-type: none"> <li>- precise <b>CNC tooling</b></li> <li>- for <b>3.8, 5.6 &amp; 9.0mm</b> TO-Can laser diodes</li> <li>- compact size</li> <li>- <b>focusable acrylic lens</b>, uncoated</li> <li>- <b>threaded latching</b>, no glue required</li> </ul>			
LDA-38, 3.8 mm laser diode assembly, with focusable acrylic lens, f: 6.5 mm, Ø6.5x11 mm, brass		18,10	21,47
LDA-56, 5.6 mm laser diode assembly, with focusable acrylic lens, f: 6.5 mm, Ø11x13 mm, brass		19,20	22,77
LDA-90, 9.0 mm laser diode assembly, with focusable acrylic lens, f: 6.5 mm, Ø11x14 mm, brass		19,20	22,77
LD Sockets	Status	EUR / pc	USD / pc
 <p>laser diode socket teflon body, gold plated contacts, 3 pins or 4 pins, superior quality, for 5.6 and 9.0 mm laser diodes</p>			
LDS-T-3, laser diode socket 3-Pin version, teflon, gold plated, superior quality		6,49	7,70
LDS-T-4, laser diode socket 4-Pin version, teflon, gold plated, superior quality		6,39	7,58
Thermoelectric Coolers	Status	EUR / pc	USD / pc
 <p>TEC elements for cooling and heating, diverse sizes and electrical properties 1-, 2-, 3- and 4 stage modules available</p> <p>Tmax: 125 °C OEM designs available on request</p>			
TEC1-00705T125, 1 stage, 7 couples, 0.85 V, 5 A, 2.8 W, dTmax: 67°C, 10x10x3.9 mm		8,40	9,96
TES1-1702LT125, 1 stage, 17 couples, 2.0 V, 2 A, 2.4 W, dTmax: 64°C, 6.2x6.2x2.3 mm		15,90	18,86
TES1-03103T125, 1 stage, 31 couples, 3.8 V, 3 A, 6.6 W, dTmax: 66°C, 15x15x3.5 mm		8,70	10,32
TES1-3202T125, 1 stage, 32 couples, 3.87 V, 2 A, 4.31 W, dTmax: 67°C, 8.3x8.3x2.2 mm		15,00	17,79
TES1-07103T125, 1 stage, 71 couples, 8.5 V, 3 A, 14.9 W, dTmax: 67°C, 23x23x3.9 mm		12,60	14,94
TES1-12703T125, 1 stage, 127 couples, 15.4 V, 3 A, 26.7 W, dTmax: 67°C, 30x30x3.5 mm		13,50	16,01
TEC1-12705T125, 1 stage, 127 couples, 15.4 V, 5 A, 46.4 W, dTmax: 67°C, 40x40x4.0 mm		10,95	12,99
TEC2-25407T125, 2 stages, 254 couples, 15.0 V, 7 A, dTmax: 80°C, 40x40x7.0 mm		23,70	28,11
TEC3-22903T125, 3 stages, 229 couples, 15.2 V, 3 A, dTmax: 100°C, 40x40x10.8 mm		95,68	113,47
<b>TEC with 4.7 mm center hole</b>			
TEC1-07103T125, 1 stage, 8.5 V, 3 A, 16 W, dTmax: 67°C, hole 4.7 mm, 30x30x4.9 mm		12,00	14,23

# LD DRIVERS | TEC CONTROLLERS



LD Driver Boards	Status	EUR / pc	USD / pc
 <p>diverse, easy to handle driver boards for laser diodes, ready to use, but not preset to the specific parameters of the laser diode LD specific drive parameters can be adjusted in a wide range</p>			
<b>N-type (common LD+ and PD-)</b>			
IC-WK2D, 6.5 x 20 mm <sup>2</sup> , PCB-board, N-type, CAC		10,49	12,44
IC-WKL2D, 6.5 x 20 mm <sup>2</sup> , PCB-board, N-type, CAC		10,49	12,44
EU-37, 10.5 x 18 mm <sup>2</sup> , APC, 4.5-6 VDC, slow start, max. 200 mA		14,95	17,73
EU-38-PD, 35 x 14 mm <sup>2</sup> , auto power control, LD current max. 1 A		24,00	28,46
EU-41, 10.5 x 18 mm <sup>2</sup> , APC, 3 VDC, max. 100 mA for BLUE and GREEN LD		12,90	15,30
EU-42, 10.5 x 11.3 mm <sup>2</sup> , APC, modulable up to 300kHz		13,60	16,13


<b>M-type (common LD- and PD-)</b>				
IC-WK1D, PCB-board, M/P-type, CCA, 6.5 x 20 mm, MPD spike detection		10,49	12,44	
IC-WKL1D, PCB-board, M/P-type, CCA, 6.5 x 20 mm		10,49	12,44	
EU-38-PD, 35 x 14 mm <sup>2</sup> , auto power control, LD current max. 1 A		24,00	28,46	
<b>P-type (common LD- and PD+)</b>				
IC-WK1D, PCB-board, M/P-type, CCA, 6.5 x 20 mm, MPD spike detection		10,49	12,44	
IC-WKL1D, PCB-board, M/P-type, CCA, 6.5 x 20 mm		10,49	12,44	
EU-38-PD, 35 x 14 mm <sup>2</sup> , auto power control, LD current max. 1 A		24,00	28,46	
<b>without PD</b>				
EU-38-TTL, 35 x 14 mm <sup>2</sup> , ACC, TTL modulable, LD current max. 1 A		22,00	26,09	
EU-38-1, 35 x 14 mm <sup>2</sup> , ACC, max. 1.0 A		21,80	25,85	
EU-40, 9 x 23 mm <sup>2</sup> , ACC, 3 VDC, max. 200 mA for BLUE and GREEN LD		12,90	15,30	
<b>external PD</b>				
EU-39, 9 x 16 mm <sup>2</sup> , APC, 3 VDC, max. ~300 mA, ext. PD required		9,54	11,31	
EU-43, 11 x 23 mm <sup>2</sup> , APC, 3 VDC, max. 200 mA for BLUE and GREEN LD, ext. PD required		12,90	15,30	
<b>Low Power LD Controllers</b>		<b>Status</b>	<b>EUR / pc</b>	<b>USD / pc</b>
	<p>Low power CW + pulsed mode laser diode driver</p> <ul style="list-style-type: none"> <li>- Analog control / potentiometer adjustment</li> <li>- CW, pulsed, modulated or mixed curves</li> <li>- Short rise and fall time</li> <li>- No ripple, no overshoot</li> <li>- Compact</li> </ul>			
LDP-2023, ACC, max 2A, max 23V, Vin: 6-24V, CW + pulsed, 52x37x11 mm			160,50	190,35
LDP-5023, ACC, max 5A, max 23V, Vin: 7-24V, CW + pulsed, 75x50x24 mm		<b>NEW</b>	334,00	396,11
LDP-20-HS, Heat Sink for LDP-20, Al black anodized, 105x50x39mm, 150g			50,30	59,65
LDP-50-HS, Heat Sink for LDP-50, Al black anodized, 75x50x11mm, 56g		<b>NEW</b>	63,90	75,78
<b>TEC Controllers</b>		<b>Status</b>	<b>EUR / pc</b>	<b>USD / pc</b>
	<p>3A/45V and 6A/45V TEC controllers for peltierelements</p> <ul style="list-style-type: none"> <li>- High efficiency/low noise</li> <li>- Tuneable digital PID controller</li> <li>- USB or RS232 interface</li> <li>- Analog temperature output, status LEDs</li> <li>- Supply voltage 15 ...48 V</li> </ul>			
TCC-3-45-U, TEC Controller, max 3A, max 45V, USB interface, 59x49x29 mm		<b>NEW</b>	549,20	651,33
TCC-3-45-R, TEC Controller, max 3A, max 45V, RS232 interface, 59x49x29 mm		<b>NEW</b>	549,20	651,33
TCC-6-45-U, TEC Controller, max 6A, max 45V, USB interface, 87x87x22 mm		<b>NEW</b>	631,80	749,29
TCC-6-45-R, TEC Controller, max 6A, max 45V, RS232 interface, 87x87x22 mm		<b>NEW</b>	631,80	749,29
TCC SOFTWARE, PC control software for TCC-3 and TCC-6 series		<b>NEW</b>	145,80	172,91
<b>High Power LD Controllers</b>		<b>Status</b>	<b>EUR / pc</b>	<b>USD / pc</b>
	<p>High power, compact constant current laser diode driver with multiple layers of laser diode protection</p> <ul style="list-style-type: none"> <li>- Analog Control / RS-232 / UART</li> <li>- Output Current Range 0-15 A</li> <li>- Output Voltage Range 1-10 V</li> <li>- Efficiency &lt; 97%</li> <li>- Compact</li> <li>- no PD support</li> </ul>			
LD6015, ACC, 0-15 A, 1-10V, Vin: 10-14V, setpoint resolution 0.01 A, 37x58x30 mm			468,70	555,86
<b>LD Driver Ics</b>		<b>Status</b>	<b>EUR / pc</b>	<b>USD / pc</b>
	diverse drivers for laser diodes as integrated circuits			
IC-VJ SO16N, driver IC for cw laser diodes		<b>EOL</b>	3,49	4,14
IC-VJZ SO16N, driver IC for cw laser diodes		<b>EOL</b>	2,95	3,50
IC-WJ SO8, LD driver IC, cw up to 300 kHz, up to 250 mA, Im 50 - 500 µA			3,71	4,40
IC-WJ MSOP8, LD driver IC, cw up to 300 kHz, up to 250 mA, Im 50 - 500 µA			3,92	4,65
IC-WJZ SO8, LD driver IC, cw up to 300 kHz, up to 250 mA, Im 0.15 - 1.5 mA			3,71	4,40
IC-WJZ MSOP8, LD driver IC, cw up to 300 kHz, up to 250 mA, Im 0.15 - 1.5 mA			3,92	4,65
IC-WJB SO8, LD driver IC, cw up to 300 kHz, up to 100 mA, 2.7 VDC, reverse polarity protection			3,92	4,65
IC-WJB MSOP8, LD driver IC, cw up to 300 kHz, up to 100 mA, 2.7 VDC, reverse polarity protection		<b>EOL</b>	4,12	4,89
IC-WK SO8, LD driver IC, N/M/P-type, up to 90 mA, 2.4 -6 VDC, MPD spike detection			5,20	6,17
IC-WK MSOP8, LD driver IC, N/M/P-type, up to 90 mA, 2.4 -6 VDC, MPD spike detection			5,20	6,17
IC-WKL SO8, LD driver IC, any laser diode polarity, up to 90 mA, 2.4 -6 VDC			5,20	6,17
IC-WKL MSOP8, LD driver IC, any laser diode polarity, up to 90 mA, 2.4 -6 VDC			5,20	6,17
IC-HB QFN24, Triple Laser Switch, CW up to 155 MHz, with LVDS inputs		<b>EOL</b>	6,60	7,83
IC-HG QFN28-5X5, Laser Switch, CW to 200 MHz, 6 ch., up to 3 A CW / 9 A pulse, for blue LDs (12V)		<b>EOL</b>	11,40	13,52
IC-HG30 QFN28-5X5, Laser Switch, CW to 250 MHz, 6 ch., up to 6 A CW / 30 A pulse, for stacked LDs (30V)			11,40	13,52
IC-HGP QFN32-5X5, High-Side Laser Switch, CW to 200 MHz, 6 ch., up to 3 A CW / 9 A pulse, for blue/green LDs (12V)			11,40	13,52
IC-HK SO8-TP, Laser Switch, CW - 155 MHz, 2 ch., Spike-Free, Ip up to 700 mA			3,15	3,74
IC-HK MSOP8-TP, Laser Switch, CW - 155 MHz, 2 ch., Spike-Free, Ip up to 700 mA			6,60	7,83


IC-HKB SO8-TP, Laser Switch, CW - 155 MHz, 2 ch., Spike-Free, Ip up to 700 mA, for blue LDs (12V)	5,70	6,76
IC-HKB MSOP8-TP, Laser Switch, CW - 155 MHz, 2 ch., Spike-Free, Ip up to 700 mA, for blue LDs (15V)	3,48	4,13
IC-HN DFN8-3X3, Short Pulse 1.4 A Laser Driver	7,92	9,39
IC-HN3 DFN8-3X3, Short Pulse 2.8 A Laser Driver	11,40	13,52
IC-HS02 QFN16-3X3, Ultra Short Pulse Laser Driver, 200 mA peak	11,40	13,52
IC-HS05 QFN24-4X4, Ultra Short Pulse Laser Driver	11,40	13,52
IC-HSB QFN24-4X4, Ultra-Short Pulse Laser Driver	11,40	13,52
IC-HT QFN28-5X5, Dual CW LD Driver with SPI/I2C Controller Interface, up to 1.5 A (combined)	11,40	13,52
IC-HTG QFN24-4X4, power laser diode driver	11,40	13,52
IC-HTP QFN28-5X5, Dual CW P-type LD driver, up to 1.5 A (combined)	11,40	13,52
IC-WKM SO8-TP, cw M-type laser diode driver IC, up to 350 mA, Vf 3.6-15 VDC	6,60	7,83
IC-WKM DFN10, cw M-type laser diode driver IC, up to 350 mA, Vf 3.6-15 VDC	4,30	5,10


IC-WKN SO8-TP, cw N-type laser diode driver IC, up to 300 mA, Vf 2.4-15 VDC		4,21	4,99
IC-WKN DFN10, cw N-type laser diode driver IC, up to 300 mA, Vf 2.4-15 VDC		4,30	5,10
IC-WKP SO8-TP, cw P-type laser diode IC, up to 350 mA, Vf 3.0-15 VDC		4,21	4,99
IC-WKP DFN10, cw P-type laser diode IC, up to 350 mA, Vf 3.0-15 VDC		6,60	7,83
IC-NZ QFN28, LD driver IC, fail-safe, N/M/P-type, cw/pulse, up to 300 mA, up to 155 MHz, 3.5-5.5 V supply	EOL	11,40	13,52
IC-NZN QFN24-4X4, LD driver IC, N-type, cw and pulse, up to 300 mA, up to 155 MHz, 3.5-5.5 V supply		5,20	6,17
IC-NZP QFN24-4X4, LD driver IC, P-type, cw and pulse, up to 300 mA, up to 155 MHz, 3.5-5.5 V supply		5,20	6,17
IC-HL DFN10, programable laser bias resistor	EOL	5,58	6,62
<b>Evaluation Kits for LD Driver ICs</b>	<b>Status</b>	<b>EUR / pc</b>	<b>USD / pc</b>
 evaluation boards, to set up your iC drivers easily			
IC-HB EVAL HB1D, Evaluation Board iC-HB (incl. 2 IC samples)	EOL	82,08	97,34
IC-HG EVAL HG1D, Evaluation Board iC-HG (incl. 2 IC samples)	EOL	82,08	97,34
IC-HG EVAL HG2D, Host Adapter for HGxM type modules		82,08	97,34
IC-HG EVAL HG2D HSK, Host Adapter for HGxM type modules with heat-sink assembly kit		185,59	220,10
IC-HG ICSY HG20M, High-Speed Laser Module (for VCSEL)		131,48	155,93
IC-HG ICSY HG21M, High-Speed Laser Module (for VCSELS, alternative pad layout)		131,48	155,93
IC-HG ICSY HG2M, High-Speed Laser Module (for C-mount packages)		82,08	97,34
IC-HG ICSY HG8M, High-Speed Laser Module (for TO-type or other leaded packages)		82,08	97,34
IC-HG30 EVAL HG1D, Evaluation Board iC-HG30		92,04	109,16
IC-HG30 ICSY HG20M, High-Speed Laser Module (for VCSEL)		157,78	187,12
IC-HG30 ICSY HG21M, High-Speed Laser Module (for VCSELS, alternative pad layout)		157,78	187,12
IC-HG30 ICSY HG8M, High-Speed Laser Module (for TO-type or other leaded packages)		92,04	109,16
IC-HGP EVAL HGP1D, Evaluation Board iC-HGP		82,08	97,34
IC-HGP EVAL HGP2D, Laser Diode and LED Drivers		105,18	124,74
IC-HN ICSY HN1M, High Speed Laser Module		82,08	97,34
IC-HN3 ICSY HN1M, High Speed Laser Module		82,08	97,34
IC-HS02 ICSY HS3M, High Speed Laser Module		o.r.	o.r.
IC-HS05 ICSY HS3M, High Speed Laser Module		131,48	155,93
IC-HSB ICSY HS3M, High-Speed Laser Module		131,48	155,93
IC-HT EVAL HT1D, Evaluation Board for iC-HT		111,76	132,54
IC-HTG EVAL HTG1D, Evaluation Board iC-HTG		111,76	132,54
IC-HTP EVAL HTP1D, Evaluation Board iC-HTP		111,76	132,54
IC-NZN EVAL NZN1D, Evaluation Board iC-NZN (incl. 2 IC samples)		82,08	97,34
IC-NZP EVAL NZP1D, Evaluation Board iC-NZP (incl. 2 IC samples)		82,08	97,34
IC-VJ EVAL VJD, Evaluation Board iC-VJ (incl. 2 samples)	EOL	58,90	69,85
IC-VJZ EVAL VJD, Evaluation Board iC-VJZ (incl. 2 samples)	EOL	58,90	69,85
IC-WJ EVAL WJ1D, Evaluation Board iC-WJ (incl. 2 samples)		82,08	97,34
IC-WJB EVAL WJ1D, Evaluation Board iC-WJB (incl. 2 samples)		82,08	97,34
IC-WJZ EVAL WJ1D, Evaluation Board iC-WJZ (incl. 2 samples)		82,08	97,34
IC-WK EVAL WK4D, Evaluation Board iC-WK (incl. 2 samples)		82,08	97,34
IC-WKL EVAL WK4D, Evaluation Board iC-WKL (incl. 2 samples)		82,08	97,34
IC-WKN EVAL WK4D, Evaluation Board iC-WKN (incl. 2 samples)		82,08	97,34
IC-WKM EVAL WKM1D, Evaluation Board iC-WKM (incl. 2 Samples)		82,08	97,34
IC-WKP EVAL WK1D, Evaluation Board iC-WKP (incl. 2 IC samples)	EOL	58,90	69,85
IC-WKP EVAL WKP1D, Evaluation Board iC-WKP (incl. 2 IC samples)		82,08	97,34

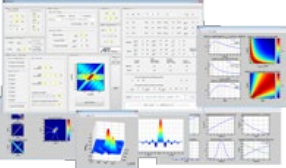
## QUANTUM OPTICS DEVICES




<b>TIME TAGGING MODULE</b>	<b>Status</b>	<b>EUR / pc</b>	<b>USD / pc</b>
 <p><b>8 channel Time to Digital Converter</b>  - 8 channels continuous - resolution 82ps  - 2 channels start-stop - resolution 10ps  - continuous / multi stop / single stop  - GB-LAN (up to 25m events/s)  - variable threshold voltage  - software for Linux &amp; Windows  - <b>developed &amp; manufactured in Austria</b></p>			
TTM8000, up to 8 channels with resolution 82ps, GB-LAN, incl.software, 160x110x45 mm	EOL	7.600,00	9.013,28



Ultrafast VCSEL/LED triggered Light Source	Status	EUR / pc	USD / pc
 <p><b>MRP series lightpulsers</b>  - VCSEL/LED lightsource  - light curves as short as 100 ps  - up to 25 kHz  - SMA connector  - USB interface</p> <p>370 - 850 nm available</p>			
MRP-850V-100-SMA, 850nm, 100-1000 ps, <25 kHz, SMA connector, USB, 145x78x43 mm		842,00	998,58

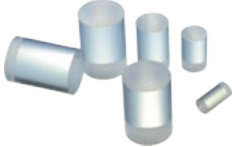
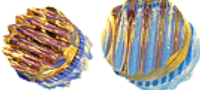
Single Photon Detection Module	Status	EUR / pc	USD / pc
 <p><b>300 ps Single Photon Counting Module</b>  - less than 20 dark counts/s  - 300 ns dead time  - Low jitter, low dark rates  - digital output pulse (0,4V) at SMA connector  - Single 5 VDC supply voltage  - developed &amp; manufactured in Austria  - compatible with many different mounts</p>			
QD800C-FQ-500, <500 dark counts/s, 300ps res., 300ns dead time, 400-1000 nm, 5 VDC		4.600,00	5.455,41
QD800C-FQ-50, <50 dark counts/s, 300ps res., 300ns dead time, 400-1000 nm, 5 VDC		5.700,00	6.759,96
QD800C-FQ-20, <20 dark counts/s, 300ps res., 300ns dead time, 400-1000 nm, 5 VDC		7.500,00	8.894,69
ADAPT-C-SM1, lens holder adapter plate, with SM1 thread		89,60	106,26
ADAPT-C-SM05, lens holder adapter plate, with SM5 thread		89,60	106,26
ADAPT-C-SM05-P, lens holder adapter plate, with SM5 thread		89,60	106,26
ADAPT-C-RMS, lens holder adapter plate, with RMS thread		89,60	106,26
ADAPT-C-MOUNT, lens holder adapter plate, with C-mount thread		89,60	106,26
ADAPT-C-FC, adapter plate, with FC/PC fiber adapter		537,60	637,57
ADAPT-C-FC-FLT, adapter plate, with FC/PC fiber adapter and filter holder		627,20	743,83
HS12, heat sink, 12 mm		89,60	106,26
HS25, heat sink, 25 mm		95,20	112,90
HS25-FAN, heat sink, 25 mm, with fan		168,00	199,24
PS-QD800, power supply, 90-264 VAC		67,20	79,70

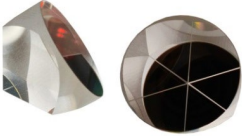
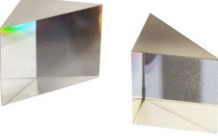
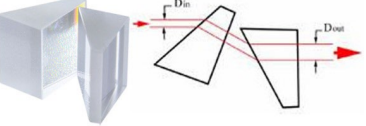
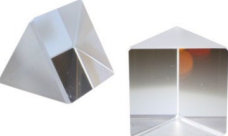
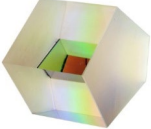
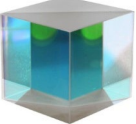
Photon-pair generation simulation software	Status	EUR / pc	USD / pc
 <ul style="list-style-type: none"> <li>- Simulates photon-pair generation in seven different crystals (including ppKTP and ppLN)</li> <li>- Gaussian and sech<sup>2</sup> pulses as well as customised laser spectrum</li> <li>- Gaussian and rectangular bandpass filtering</li> <li>- Phase-matching conditions, poling periodicity, temperature tuning</li> <li>- Refractive indices, group delay and temporal walk-off</li> </ul>			
QPMOPTICS, tool to simulate and optimize your experiments, USB License dongle, Win 64-bit		980,00	1.162,24


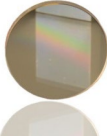



# OPTICAL COMPONENTS ↑



Laser Diode Collimators   Molded Plastic	Status	EUR / pc	USD / pc
 <p>laser diode collimating lenses made of PMMA available with and without anti reflective coating</p>			
CAY046, acrylic lens, 7.4 x 3.05 mm, f 4.6 mm, NA 0.40, AR coated	EOL	6,48	7,69
CAY046NC, acrylic lens, 7.4 x 3.05 mm, f 4.6 mm, NA 0.40, uncoated		4,62	5,48
CAW100NC, acrylic lens, 5.20 x 2.44 mm, f 10.0 mm, NA 0.20, uncoated		4,36	5,17
LENS-05A, acrylic lens, 7 x 2.8 mm, f 8.0 mm		4,76	5,65
LC3, acrylic lens, 3 x 2.4 mm, BFL: 3.41 mm, EFL: 4.5 mm, PMMA, uncoated		1,90	2,25
ACL3033, acrylic lens, 3.0 x 2.0 mm, BFL: 3.3 mm, PMMA, uncoated		1,60	1,90
LC5, acrylic lens, 5 x 2.3 mm, BFL: 4.86 mm, EFL: 6.0 mm, PMMA, uncoated		1,22	1,45
ACL5048, acrylic lens, 5.0 x 2.3 mm, BFL: 4.8 mm, PMMA, uncoated		0,98	1,16
LC7, acrylic lens, 7 x 3.15 mm, EFL: 7.8 mm, BFL: 6.21 mm, PMMA, uncoated		1,35	1,60
ACL7065, acrylic lens, 7.0 x 3.3 mm, BFL: 6.47 mm, PMMA, uncoated		0,98	1,16
LC12, acrylic lens, 7 x 3.15 mm, BFL: 11.2 mm, EFL: 12.5 mm, PMMA, uncoated		1,99	2,36
ACL7012, acrylic lens, 7.0 x 2.6 mm, EFL: 12.5 mm, PMMA, uncoated		1,60	1,90


Laser Diode Collimators   Glass		Status	EUR / pc	USD / pc
 <p>glass laser diode collimating lenses M9x0.5 threaded housing 1&amp;3 glass lens design ARC for blue, green, red, and IR laser diodes available focal lengths 4 - 11 mm</p>				
<b>BLUE AR Coating</b>				
RGL-550-9BS, 3 glass lens, M9x0.5, f: 5.5 mm, NA 0.25, ARC 405-450 nm			10,60	12,57
RGL-550-9B, 1 glass lens, M9x0.5, f: 5.5 mm, NA 0.45, ARC 405-450 nm			10,60	12,57
GS-8020B, 3 glass lens, M9x0.5, f: 8.0 mm, NA 0.3, ARC 400-450 nm, O-ring sealing			9,80	11,62
RGL-830-9B, 3 glass lens, M9x0.5, f: 8.3 mm, NA 0.30, ARC 405-450 nm			10,60	12,57
LCB-3G, 3 glass lens, M9x0.5, f: 9.5 mm, NA 0.26, ARC 400-450 nm		EOL	13,40	15,89
RGL-110-9B, 3 glass lens, M9x0.5, f: 11.0 mm, NA 0.26, ARC 405-450 nm			10,60	12,57
<b>BROADBAND AR Coating</b>				
RGL-311-9C, 1 glass lens, M9x0.5, f: 3.1 mm, NA 0.67, ARC 400-700 nm			14,20	16,84
RGL-402-9C, 1 glass lens, M9x0.5, f: 4.0 mm, NA 0.6, ARC 400-700 nm			10,60	12,57
RGL-402-9C, 1 glass lens, M9x0.5, f: 4.0 mm, NA 0.6, ARC 400-700 nm			10,60	12,57
RGL-550-9C, 2 glass lens, M9x0.5, f: 5.5 mm, NA 0.45, ARC 400-700 nm			10,60	12,57
RGL-650-9C, 2 glass lens, M9x0.5, f: 6.5 mm, NA 0.45, ARC 400-700 nm			10,60	12,57
RGL-102-9C, 2 glass lens, M9x0.5, f: 9.8 mm, NA 0.26, ARC 400-700 nm			10,60	12,57
<b>RED AR Coating</b>				
RGL-550-9RS, 3 glass lens, M9x0.5, f: 5.5 mm, NA 0.25, ARC 630-670 nm			10,60	12,57
RGL-550-9R, 2 glass lens, M9x0.5, f: 5.5 mm, NA 0.45, ARC 630-670 nm			10,60	12,57
GS-8020A, 3 glass lens, M9x0.5, f: 8.0 mm, NA 0.3, ARC 630-670 nm, O-ring sealing			9,80	11,62
RLC-103AF, 3 glass lens, M9x0.5, f: 8.0 mm, NA 0.3, ARC 630-670 nm			9,50	11,27
RGL-830-9R, 3 glass lens, M9x0.5, f: 8.3 mm, NA 0.30, ARC 630-670 nm			10,60	12,57
LENS-15, 1 glass lens, 5 x 1.5 mm, f: 9.0 mm, NA 0.11, ARC 630-670 nm			6,80	8,06
MPG-95, 3 glass lens, M9x0.5, f: 9.5 mm, NA 0.29, ARC 630-670 nm			13,20	15,65
MPG-11, 3 glass lens, M9x0.5, f: 11.0 mm, NA 0.26, ARC 630-670 nm			13,20	15,65
RGL-110-9R, 3 glass lens, M9x0.5, f: 11.0 mm, NA 0.26, ARC 630-670 nm			10,60	12,57
<b>INFRARED AR Coating</b>				
RGL-311-9G, 1 glass lens, M9x0.5, f: 3.1 mm, NA 0.67, ARC 600-1050 nm			14,20	16,84
RGL-820-9IR, 3 glass lens, M9x0.5, f: 9.6 mm, NA 0.25, ARC 630-780 nm			12,80	15,18
Laser Diode Collimators   Achromatic Doublet Lens   Glass		Status	EUR / pc	USD / pc
 <p>achromatic doublet lenses for limiting chromatic and spherical aberration best suited for laser diode collimation</p>				
DBS-05, glass doublet, 5.2 x 3 mm, f: 11 mm, NA 0.11, ARC			13,40	15,89
DBS-07, glass doublet, 6.5 x 3.6 mm, f: 15 mm, NA 0.18, ARC			14,10	16,72
DBS-14, glass doublet, 14 x 6.9 mm, f: 45 mm, NA 0.13, ARC			19,85	23,54
Fresnel Lenses   1.0 µm - 30 µm		Status	EUR / pc	USD / pc
FRES-MIR-12-A, size 12 x 0.6 mm, f: 8 mm, white PE material			2,40	2,85
FRES-MIR-20-A, size 20 x 0.6 mm, f: 20 mm, white PE material			2,56	3,04
FRES-MIR-12-B, size 12 x 0.6 mm, f: 8 mm, dark PE material			2,40	2,85
FRES-MIR-20-B, size 20 x 0.6 mm, f: 20 mm, dark PE material			2,56	3,04
Silicon Lenses   1.2 µm - 9 µm		Status	EUR / pc	USD / pc
MIR-SI-25-25, silicon plano convex lens, Ø25 mm, FL: 25 mm, ct: 2.5 mm			99,00	117,41
MIR-SI-35-55, silicon plano convex lens, Ø35 mm, FL: 55 mm, ct: 3.5 mm			121,00	143,50
Germanium Lenses   2 µm - 17 µm		Status	EUR / pc	USD / pc
MIR-GE-25-25, germanium plano convex lens, Ø25 mm, FL: 25 mm, ct: 2.6 mm			187,00	221,77
MIR-GE-35-55, germanium plano convex lens, Ø35 mm, FL: 55 mm, ct: 3.5 mm			187,00	221,77
Zinc Selenide Lenses   600 nm - 16 µm		Status	EUR / pc	USD / pc
MIR-ZN-25-50, ZnSe plano convex lens, Ø25.4 mm, FL: 50.8 mm, ct: 2.5 mm			144,00	170,78
MIR-ZN-25-157, ZnSe plano convex lens, Ø25.4 mm, FL: 157 mm, ct: 2.5 mm			144,00	170,78
MIR-ZN-25-50-M, ZnSe meniscus lens, AR/AR 10.6 µm, Ø25.4 mm, FL: 50.8 mm, ct: 2.5 mm			180,00	213,47
Calcium Fluoride Lenses   150 nm - 9 µm		Status	EUR / pc	USD / pc
UVIR-CAF2-25-25, CaF2 bi convex lens, Ø25 mm, FL: 25 mm, ct: 11.0 mm			121,00	143,50
UVIR-CAF2-35-55, CaF2 plano convex lens, Ø35 mm, FL: 55 mm, ct: 10.0 mm			143,00	169,59


Cylinder Line Generating Lenses   Glass		Status	EUR / pc	USD / pc
	glass cylinder lenses for line generation			
CL2.0X5.0, cylinder lens, Ø2.0 mm, length 5.0 mm, BK-7 glass			3,50	4,15
CL2.5X5.5, cylinder rod lens, Ø 2.5 mm, length 5.5 mm, BK-7 glass			3,50	4,15
CL4.0X6.0, cylinder lens, Ø4.0 mm, length 6.0 mm, BK-7 glass			3,90	4,63
CL5.0X8.0, cylinder lens, diameter 5.0 mm, length 8.0 mm, ±25°, BK-7 glass			3,50	4,15
CL7.0X10.0, cylinder lens, Ø7.0 mm, length 10.0 mm, ±15°, BK-7 glass			3,50	4,15
CL7.0X15.0, cylinder lens, Ø7.0 mm, length 15.0 mm, ±15°, K9 glass, SD 40/20			7,40	8,78
HCL10.0X2.0, half-cylinder lens, 10.0x2.0 mm, ±1.5°, BK-7 glass			4,30	5,10
HCL10.0X7.0X3.7, half-cylinder lens, 10.0x7.0x3.7 mm, ±12°, BK-7 glass			4,30	5,10
Powell Line Generating Lenses   Glass		Status	EUR / pc	USD / pc
	patented Powell line generating lens offers very even intensity distribution over the complete length of the projected line			
PL532-1-10, 10° line, beam Ø1 mm, wavelength 532 nm, Ø9 x 8 mm			71,10	84,32
PL650-3-10, 10° line, beam Ø3 mm, wavelength 650 nm, Ø9 x 8 mm			71,10	84,32
PL650-5-10, 10° line, beam Ø5 mm, wavelength 650 nm, Ø9 x 8 mm			71,10	84,32
PL532-1-15, 15° line, beam Ø1 mm, wavelength 532 nm, Ø9 x 8 mm			71,10	84,32
PL650-3-15, 15° line, beam Ø3 mm, wavelength 650 nm, Ø9 x 8 mm			71,10	84,32
PL650-5-15, 15° line, beam Ø5 mm, wavelength 650 nm, Ø9 x 8 mm			71,10	84,32
PL532-1-30, 30° line, beam Ø1 mm, wavelength 532 nm, Ø9 x 8 mm			71,10	84,32
PL650-3-30, 30° line, beam Ø3 mm, wavelength 650 nm, Ø9 x 8 mm			71,10	84,32
PL650-5-30, 30° line, beam Ø5 mm, wavelength 650 nm, Ø9 x 8 mm			71,10	84,32
PL532-1-45, 45° line, beam Ø1 mm, wavelength 532 nm, Ø9 x 8 mm			71,10	84,32
PL650-3-45, 45° line, beam Ø3 mm, wavelength 650 nm, Ø9 x 8 mm			71,10	84,32
PL650-5-45, 45° line, beam Ø5 mm, wavelength 650 nm, Ø9 x 8 mm			71,10	84,32
PL532-1-60, 60° line, beam Ø1 mm, wavelength 532 nm, Ø9 x 8 mm			71,10	84,32
PL650-3-60, 60° line, beam Ø3 mm, wavelength 650 nm, Ø9 x 8 mm			71,10	84,32
PL650-5-60, 60° line, beam Ø5 mm, wavelength 650 nm, Ø9 x 8 mm			71,10	84,32
PL532-1-90, 90° line, beam Ø1 mm, wavelength 532 nm, Ø9 x 8 mm			71,10	84,32
PL650-3-90, 90° line, beam Ø3 mm, wavelength 650 nm, Ø9 x 8 mm			71,10	84,32
PL650-5-90, 90° line, beam Ø5 mm, wavelength 650 nm, Ø9 x 8 mm			71,10	84,32
Molded Plastic Line Generating Lenses		Status	EUR / pc	USD / pc
	molded plastic lenses for line generation - LINE - CROSS LINE			
LG-20, Ø8 x 1.4 mm, 20° lineoptik, PMMA			2,65	3,14
LG-35, Ø8 x 2 mm, 35° lineoptik, PMMA			2,65	3,14
LG-58, Ø8 x 2 mm, 58° lineoptik, PMMA			2,65	3,14
LG-90, Ø8 x 2 mm, 90° lineoptik, PMMA			2,65	3,14
LG-110, Ø8 x 3 mm, 110° lineoptik, PMMA			2,65	3,14
CG-58, Ø8 x 2 mm, 2x 58° cross-lineoptik, PMMA			2,98	3,53
Diffractive Pattern Generators		Status	EUR / pc	USD / pc
	Diffractive Optical Elements from ruled PMMA sheets - LINE - CROSS LINE - CIRCLE - CIRCLE + CROSS LINE (target)			
DPG11, circle, angle 3°, acrylic die, Ø7 x 1 mm			1,10	1,30
DOE-7C, circle, angle 5-10°, acrylic die, Ø6.7 x 0.8 mm			1,19	1,41
DPG12, line, angle 6°, acrylic die, Ø7 x 1 mm			1,10	1,30
DOE-7L, line, angle 5-10°, acrylic die, Ø6.7 x 0.8 mm			1,19	1,41
DPG18, cross line, angle 8.8°, acrylic die, Ø7 x 1 mm			1,10	1,30
DOE-7CL, cross line, angle 5-10°, acrylic die, Ø6.7 x 0.8 mm			1,19	1,41
DOE-7T, circle with cross line, angle 5-10°, acrylic die, Ø6.7 x 0.8 mm			1,19	1,41

Retroreflectors		Status	EUR / pc	USD / pc
	trihedral prisms or corner cubes do reflect a laser beam by 180° back to its origin through total internal reflection			
	CCUBE-13-K9, Ø12.7 x 9.5 mm, 60/40 SD, flatness $\lambda/10$ , uncoated, H-K9L		48,00	56,93
	CCUBE-13-BK7, Ø12.7 x 9.5 mm, S/D 60/40, flatness $\lambda/10$ , uncoated, BK7		70,00	83,02
	CCUBE-25-K9, Ø25.4 x 19 mm, S/D 60/40, flatness $\lambda/10$ , uncoated, H-K9L		48,00	56,93
	CCUBE-25-BK7, Ø25.4 x 19 mm, S/D 60/40, flatness $\lambda/10$ , uncoated, BK7		87,50	103,77
Right Angle Prisms		Status	EUR / pc	USD / pc
	prisms can be used to deviate a laser beam by 90° or 180° depending on which side is used for the input beam			
	RA-PRISM-10-K9, Right Angle Prism, 10x10x10 mm, $\lambda/10$ , uncoated, H-K9L		16,00	18,98
	RA-PRISM-10-BK7, Right Angle Prism, 10x10x10 mm, $\lambda/10$ , uncoated, BK7		17,50	20,75
	RA-PRISM-20-K9, Right Angle Prism, 20x20x20 mm, $\lambda/10$ , uncoated, H-K9L		24,50	29,06
	RA-PRISM-20-BK7, Right Angle Prism, 20x20x20 mm, $\lambda/10$ , uncoated, BK7		28,50	33,80
	RA-PRISM-25-K9, Right Angle Prism, 25x25x25 mm, $\lambda/10$ , uncoated, H-K9L		29,10	34,51
	RA-PRISM-25-BK7, Right Angle Prism, 25x25x25 mm, $\lambda/10$ , uncoated, BK7		33,10	39,26
Anamorphic Prisms		Status	EUR / pc	USD / pc
	anamorphic prism pairs are used to convert an elliptic laser diode beam to near round beam profile			
	AN-PRISM-12-SF11, Anamorphic Prism, 12x12x8.5 mm, $\lambda/10$ , uncoated, SF11, 1 pc.		44,00	52,18
Equilateral Prisms		Status	EUR / pc	USD / pc
	equilateral or dispersion prisms have three equal 60° angles, and are used for spectral dispersion of light			
	EL-PRISM-25-K9, Equilateral Prism, 25.4 mm, $\lambda/10$ , uncoated, H-K9L		45,00	53,37
	EL-PRISM-25-BK7, Equilateral Prism, 25.4 mm, $\lambda/10$ , uncoated, BK7		52,50	62,26
Penta Prisms		Status	EUR / pc	USD / pc
	penta prism deviates the input beam through 90°, but does not invert the image in the process			
	PT-PRISM-10-K9, Penta Prism, 10x10 mm, $\lambda/10$ , AL coating, H-K9L		69,60	82,54
	PT-PRISM-10-BK7, Penta Prism, 10x10 mm, $\lambda/10$ , AL coating, BK7		42,00	49,81
	PT-PRISM-25-BK7, Penta Prism, 25.4x25.4 mm, $\lambda/10$ , AL coating, BK7		84,00	99,62
Polarizing Beamsplitter Cubes		Status	EUR / pc	USD / pc
	beamsplitter splits randomly polarized light into two linear polarized beams			
	PBS-05-BK7, Pol. Beamsplitter Cube, 5x5x5 mm, $\lambda/4$ , design wavelength 620-660 nm, S/D 60/40, BK7		110,00	130,46
	PBS-10-ZF1, Pol. Beamsplitter Cube, 10x10x10 mm, $\lambda/4$ , design wavelength 450-650 nm, SD 60/40, ZF1		92,00	109,11
	PBS-10-BK7, Pol. Beamsplitter Cube, 10x10x10 mm, $\lambda/4$ , design wavelength 620-660 nm, S/D 60/40, BK7		117,50	139,35
	PBS-20-ZF1, Pol. Beamsplitter Cube, 20x20x20 mm, $\lambda/4$ , design wavelength 450-650 nm, SD 60/40, ZF1		98,60	116,94
	PBS-20-BK7, Pol. Beamsplitter Cube, 20x20x20 mm, $\lambda/4$ , design wavelength 620-660 nm, S/D 60/40, BK7		133,20	157,97



Optical Windows		Status	EUR / pc	USD / pc
	BK7 and H-K9L high precision uncoated windows for broad wavelength range of 350 nm to 2 μm excellent transmission in the visible and IR range			
WIN-10-K9, Window, Ø10 x 3 mm, uncoated, H-K9L glass			9,50	11,27
WIN-10-BK7, Window, Ø10 x 3 mm, uncoated, BK7 glass			9,50	11,27
WIN-13-K9, Window, Ø12.7 x 3 mm, uncoated, H-K9L glass			9,50	11,27
WIN-13-BK7, Window, Ø12.7 x 3 mm, uncoated, BK7 glass			9,50	11,27
WIN-15-K9, Window, Ø15 x 3 mm, uncoated, H-K9L glass			10,50	12,45
WIN-15-BK7, Window, Ø15 x 3 mm, uncoated, BK7 glass			10,50	12,45
WIN-20-K9, Window, Ø20 x 3 mm, uncoated, H-K9L glass			13,50	16,01
WIN-20-BK7, Window, Ø20 x 3 mm, uncoated, BK7 glass			13,50	16,01
WIN-25-K9, Window, Ø25.4 x 3 mm, uncoated, H-K9L glass			18,00	21,35
WIN-25-BK7, Window, Ø25.4 x 3 mm, uncoated, BK7 glass			18,00	21,35
WIN-30-K9, Window, Ø30 x 3 mm, uncoated, H-K9L glass			19,00	22,53
WIN-30-BK7, Window, Ø30 x 3 mm, uncoated, BK7 glass			19,00	22,53
WIN-50-K9, Window, Ø50.8 x 3 mm, uncoated, H-K9L glass			25,50	30,24
WIN-50-BK7, Window, Ø50.8 x 3 mm, uncoated, BK7 glass			25,50	30,24
Metal Coated Mirrors		Status	EUR / pc	USD / pc
	metal coated mirrors are ideally suited for reflecting light over a broad range of wavelengths			
MIR-AL-25K9, Mirror, Ø25.4 x 3 mm, λ/10, coating AL+SiO <sub>2</sub> , RAWS >87%, H-K9L			36,50	43,29
MIR-AL-25BK, Mirror, Ø25.4 x 3 mm, λ/10, coating AL+SiO <sub>2</sub> , RAWS >87%, BK7			37,50	44,47
MIR-AG-25K9, Mirror, Ø25.4 x 3 mm, λ/10, coating AG+SiO <sub>2</sub> , RAWS >95%, H-K9L			38,50	45,66
MIR-AG-25BK, Mirror, Ø25.4 x 3 mm, λ/10, coating AG+SiO <sub>2</sub> , RAWS >95%, BK7			39,50	46,85
Cone Mirrors		Status	EUR / pc	USD / pc
	cone mirrors are used to reflect a laser beam by 90° and spread its light in an angle of 360°			
CMIR-AL-70, Cone Mirror, Ø7.0 x 3.0 (6.0) mm, λ/10, Aluminum			22,10	26,21
Axicon Lenses		Status	EUR / pc	USD / pc
	An <b>AXICON</b> transforms a laser beam into a ring shaped distribution. It can be used to turn a Gaussian beam into non-diffractive Bessel-like beams.  - S/D: 60/40 - ARC > 99 % @ 400-700nm - CA > 90 %			
AXICON-12-165, Axicon Lens, Ø12.0 x 1.6 mm, 9°, H-K9L, ARC 400-700 nm			55,70	66,06
Half Ball Lenses		Status	EUR / pc	USD / pc
	Half ball lenses with high refraction index for shortest focal length ideally suited for fiber coupling application, endoscopy, ... S/D 40/20 Ovality <0,003			
HBL-01, Half ball lens, Ø1 mm, uncoated, H-K9L glass			11,90	14,11
HBL-02, Half ball lens, Ø2 mm, uncoated, H-K9L glass			9,20	10,91
HBL-03, Half ball lens, Ø3 mm, uncoated, H-K9L glass			9,20	10,91
HBL-04, Half ball lens, Ø4 mm, uncoated, H-K9L glass			9,20	10,91
HBL-05, Half ball lens, Ø5 mm, uncoated, H-K9L glass			9,20	10,91
HBL-06, Half ball lens, Ø6 mm, uncoated, H-K9L glass			12,80	15,18
HBL-08, Half ball lens, Ø8 mm, uncoated, H-K9L glass			12,80	15,18
HBL-10, Half ball lens, Ø10 mm, uncoated, H-K9L glass			14,20	16,84
HBL-15, Half ball lens, Ø15 mm, uncoated, H-K9L glass			17,50	20,75
HBL-18, Half ball lens, Ø18 mm, uncoated, H-K9L glass			29,10	34,51
HBL-25, Half ball lens, Ø25 mm, uncoated, H-K9L glass			33,60	39,85
HBL-38, Half ball lens, Ø38 mm, uncoated, H-K9L glass			41,90	49,69


Ball Lenses		Status	EUR / pc	USD / pc
	ball lenses with high refraction index for shortest focal length ideally suited for fiber coupling application, endoscopy, ... S/D 40/20 Ovality <0,003			
BL-01, Ball Lens, Ø1 mm, uncoated, H-K9L glass			9,90	11,74
BL-02, Ball Lens, Ø2 mm, uncoated, H-K9L glass			8,20	9,72
BL-03, Ball Lens, Ø3 mm, uncoated, H-K9L glass			8,20	9,72
BL-04, Ball Lens, Ø4 mm, uncoated, H-K9L glass			8,20	9,72
BL-05, Ball Lens, Ø5 mm, uncoated, H-K9L glass			8,20	9,72
BL-06, Ball Lens, Ø6 mm, uncoated, H-K9L glass			11,80	13,99
BL-08, Ball Lens, Ø8 mm, uncoated, H-K9L glass			12,20	14,47
BL-10, Ball Lens, Ø10 mm, uncoated, H-K9L glass			13,10	15,54
BL-15, Ball Lens, Ø15 mm, uncoated, H-K9L glass			15,50	18,38
BL-18, Ball Lens, Ø18 mm, uncoated, H-K9L glass			57,90	68,67
BL-25, Ball Lens, Ø25 mm, uncoated, H-K9L glass			62,40	74,00
BL-38, Ball Lens, Ø38 mm, uncoated, H-K9L glass			68,70	81,48
Fiber Optic Collimators		Status	EUR / pc	USD / pc
	Collimate light exiting a fiber to a selected spot size. The lenses are broadband coated, but can be also offered with customized antireflection coating. The units are available with FC/PC or SMA connector.  focal lengths 4 - 40 mm, spot size 1.1 - 11 mm			
FOC-A4F30-FC, f: 4 mm, 3 mrad, spot Ø1.1 mm, Ø18 x 29 mm, FC connector			o.r.	o.r.
FOC-A4F30-SMA, f: 4 mm, 3 mrad, spot Ø1.1 mm, Ø18 x 29 mm, SMA connector			o.r.	o.r.
FOC-C10F12-FC, f: 10 mm, 1.2 mrad, spot Ø2.75 mm, Ø18 x 30.4 mm, FC connector			o.r.	o.r.
FOC-C10F12-SMA, f: 10 mm, 1.2 mrad, spot Ø2.75 mm, Ø18 x 30.4 mm, SMA connector			o.r.	o.r.
FOC-C15F10-FC, f: 15 mm, 1 mrad, spot Ø4 mm, Ø18 x 30.4 mm, FC connector			o.r.	o.r.
FOC-C15F10-SMA, f: 15 mm, 1 mrad, spot Ø4 mm, Ø18 x 30.4 mm, SMA connector			o.r.	o.r.
FOC-C15F10Q-FC, f: 15 mm, 1 mrad, spot Ø4 mm, quartz lens, Ø18 x 30.4 mm, FC connector			o.r.	o.r.
FOC-C15F10Q-SMA, f: 15 mm, 1 mrad, spot Ø4 mm, quartz lens, Ø18 x 30.4 mm, SMA conn.			o.r.	o.r.
FOC-B18F07-FC, f: 18 mm, 0.7 mrad, spot Ø5 mm, Ø18 x 34 mm, FC connector			o.r.	o.r.
FOC-B18F07-SMA, f: 18 mm, 0.7 mrad, spot Ø5 mm, Ø18 x 34 mm, SMA connector			o.r.	o.r.
FOC-C20F10-FC, f: 20 mm, 1 mrad, spot Ø5.5 mm, Ø18 x 30.4 mm, FC connector			o.r.	o.r.
FOC-C20F10-SMA, f: 20 mm, 1 mrad, spot Ø5.5 mm, Ø18 x 30.4 mm, SMA connector			o.r.	o.r.
FOC-C20F05D-FC, f: 20 mm, 0.5 mrad, spot Ø5.5 mm, double lens, Ø18 x 30.4 mm, FC conn.			o.r.	o.r.
FOC-C20F05D-SMA, f: 20 mm, 0.5 mrad, spot Ø5.5 mm, double lens, Ø18 x 30.4 mm, SMA			o.r.	o.r.
FOC-D30F07-FC, f: 30 mm, 0.7 mrad, spot Ø8.2 mm, Ø25.4 x 56.1 mm, FC connector			o.r.	o.r.
FOC-D30F07-SMA, f: 30 mm, 0.7 mrad, spot Ø8.2 mm, Ø25.4 x 56.1 mm, SMA connector			o.r.	o.r.
FOC-D40F07-FC, f: 40 mm, 0.7 mrad, spot Ø11 mm, Ø25.4 x 56.1 mm, FC connector			o.r.	o.r.
FOC-D40F07-SMA, f: 40 mm, 0.7 mrad, spot Ø11 mm, Ø25.4 x 56.1 mm, SMA connector			o.r.	o.r.
FOC-D40F08D-FC, f: 40 mm, 0.8 mrad, spot Ø11 mm, double lens, Ø25.4 x 56.1 mm, FC conn.			o.r.	o.r.
FOC-D40F08D-SMA, f: 40 mm, 0.8 mrad, spot Ø11 mm, double lens, Ø25.4 x 56.1 mm, SMA			o.r.	o.r.
FOC-D40F02Q-FC, f: 40 mm, 0.2 mrad, spot Ø11 mm, quartz lens, Ø25.4 x 56.1 mm, FC conn.			o.r.	o.r.
FOC-D40F02Q-SMA, f: 40 mm, 0.2 mrad, spot Ø11 mm, quartz lens, Ø25.4 x 56.1 mm, SMA			o.r.	o.r.

LASER MODULES - VIOLET		Status	EUR / pc	USD / pc
 <p>VIOLET Diode laser modules  <b>Automatic Power Control (APC)</b>  <b>Cinch or USB-C Connector</b>  <b>Power Supply + Holder available</b>  <b>405 nm</b></p>				
CW405-01, 405 nm, <1 mW, fixfocus, automatic power control, 3-5 VDC, Ø12 x 20 (41) mm			29,80	35,34
CW405-01F, 405 nm, <1 mW, focusable, automatic power control, 3-5 VDC, Ø12 x 37 mm		NEW	31,40	37,24
CW405-01C, 405 nm, <1 mW, fixfocus, automatic power control, 5 VDC, Ø12 x 20 (49) mm, USB-C		NEW	38,20	45,30
CW405-05, 405 nm, 5 mW, fixfocus, automatic power control, 3-5 VDC, Ø12 x 20 (41) mm			29,80	35,34
CW405-05F, 405 nm, <5 mW, focusable, automatic power control, 3-5 VDC, Ø12 x 37 mm		NEW	32,80	38,90
CW405-05C, 405 nm, 5 mW, fixfocus, automatic power control, 5 VDC, Ø12 x 20 (49) mm, USB-C		NEW	38,20	45,30


RLD series   VIOLET   405 nm	Status	EUR / pc	USD / pc
 <p>VIOLET Diode laser modules  <b>Automatic Power Control (APC)</b>  <b>Focusable</b>  <b>Power Supply available</b></p>			
RLDD405-1-3, 405 nm, 1 mW, 0.5 mrad, focusable, <70 mA, 3 VDC, Ø14 x 45 mm		52,00	61,67
RLDE405-12-6, 405 nm, 12 mW, 0.6 mrad, focusable, <70 mA, 6 VDC, Ø22 x 65 mm		98,00	116,22
<b>Modulable</b>			
RLDE405M-20-5, 405 nm, <20 mW, TTL <20 kHz, focusable, 5 VDC, Ø22 x 65 mm		138,00	163,66
RLDE405M-50-5, 405 nm, <50 mW, TTL <20 kHz, focusable, 5 VDC, Ø22 x 65 mm		149,00	176,71
RLDE405M-100-5, 405 nm, <100 mW, TTL <20 kHz, focusable, 5 VDC, Ø22 x 65 mm		160,00	189,75

## LASER MODULES - BLUE

CW450 series   BLUE   450 nm	Status	EUR / pc	USD / pc
 <p>BLUE diode laser modules  <b>Automatic Power Control (APC)</b>  <b>Cinch or USB-C Connector</b>  <b>Power Supply + Holder available</b>  <b>450 nm</b></p>			
CW450-01, 450 nm, <1 mW, automatic power control, 3-5 VDC, Ø12 x 21 (44) mm		38,90	46,13
CW450-01F, 450 nm, <1 mW, APC, focusable, 3-5 VDC, Ø13 x 29 (52) mm		46,10	54,67
CW450-01C, 450 nm, <1 mW, automatic power control, 5 VDC, Ø12 x 21 (44) mm, USB-C connector	<b>NEW</b>	47,30	56,10
CW450-05, 450 nm, 5 mW, automatic power control, 3-5 VDC, Ø12 x 21 (44) mm		38,90	46,13
CW450-05C, 450 nm, 5 mW, automatic power control, 5 VDC, Ø12 x 21 (44) mm, USB-C connector	<b>NEW</b>	47,30	56,10
CW450-05F, 450 nm, <5 mW, APC, focusable, 3-5 VDC, Ø13 x 29 (52) mm		46,10	54,67
<b>RLD series   BLUE   450 nm</b>	<b>Status</b>	<b>EUR / pc</b>	<b>USD / pc</b>
 <p>high quality blue laser diode module  - ACC (automatic current control)  - focusable glass lens  - 40 mW  <b>450 nm</b></p>			
RLDD450-40-5, 450 nm, 40 mW, 0.5 mrad, focusable, <170 mA, 5 VDC, Ø14 x 45 mm		128,00	151,80

CW473H series   BLUE   473 nm	Status	EUR / pc	USD / pc
 <p>BLUE DPSS laser modules  <b>Automatic Power Control (APC)</b>  <b>3 VDC</b>  <b>Heat Sink recommended</b>  <b>TTL modulation available</b></p>			
CW473H-01, 473 nm, 1 mW, 1.5 mrad, cw, Ø26 x 100 mm, 3.0 VDC		817,00	968,93
CW473H-10, 473 nm, 10 mW, 1.5 mrad, cw, Ø26 x 100 mm, 3.0 VDC		817,00	968,93
CW473H-30, 473 nm, 30 mW, 1.5 mrad, cw, Ø26 x 100 mm, 3.0 VDC		899,00	1.066,18
CW473H-50, 473 nm, 50 mW, 1.5 mrad, cw, Ø26 x 100 mm, 3.0 VDC		1.114,00	1.321,16
<b>Heat Sink</b>			
CWH-HSTEC5, Heat sink for CW-H series, TEC control, 100x62x76mm, 5VDC		152,00	180,27

## LASER MODULES - BLUE 360° LINE

TN360 series   GREEN	Status	EUR / pc	USD / pc
 <p>High power 360° line laser module  Compact size laser module with 360° line projection through a polished cone mirror.  Working distance: 5 m</p>			
CW360-4510, 450 nm, 10 mW, 360° line, ACC, 3-5 VDC, Ø12 (20) x 37 mm		67,10	79,58

## LASER MODULES - GREEN

APCD-01 series   GREEN   520 nm	Status	EUR / pc	USD / pc
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**Compact Size Ø 4.0 mm x 9.1 mm Brass Body**

- | CW + PWM Mode
- | Fixfocus Acryl Lens
- | 6 VDC Supply Voltage

APCD-520-01-C2, 520 nm, <1 mW, laser class II, Iop <100 mA, fixfocus, Ø4.0 x 8.5 mm	<b>NEW</b>	33,90	40,20
APCD-520-01-C3, 520 nm, <4 mW, Iop <100 mA, fixfocus, Ø4.0 x 8.5 mm	<b>NEW</b>	33,90	40,20





**APCD-02 series | GREEN | 520 nm** **Status**    **EUR / pc**    **USD / pc**





**Compact Size Ø 6.0 mm x 11 mm Brass Body**



- | CW + PWM Mode
- | Focusable Acryl Lens
- | 6 VDC Supply Voltage


APCD-520-02-C2, 520 nm, <1 mW, laser class II, Iop <100 mA, focusable, Ø6.0 x 11 mm	<b>NEW</b>	31,90	37,83
APCD-520-02-C3, 520 nm, <4 mW, Iop <100 mA, focusable, Ø6.0 x 11 mm	<b>NEW</b>	31,90	37,83

APCD-07 series   GREEN   520 nm		Status	EUR / pc	USD / pc
	<b>ULTRA Compact Size Ø 3.3 mm x 8.0 mm Brass Body</b>   CW + PWM Mode   Fixfocus Acryl Lens   6 VDC Supply Voltage			
APCD-520-07-C2, 520 nm, <1 mW, laser class II, Iop <100 mA, fixfocus, Ø3.3 x 8.0 mm		NEW	35,90	42,58
CW520 series   GREEN   515 nm		Status	EUR / pc	USD / pc
	GREEN Diode laser modules <b>Automatic Power Control (APC)</b> <b>Cinch or USB-C Connector</b> <b>Power Supply + Holder available</b>			
CW520-01, 515 nm, <1 mW, cw, automatic power control, 3-5 VDC, Ø12 x 18 (36) mm			30,95	36,71
CW520-01F, 520 nm, <1 mW, cw, automatic power control, focusable, 3-5 V, Ø12 x 37 mm		NEW	39,90	47,32
CW520-01C, 515 nm, <1 mW, cw, automatic power control, 5 VDC, Ø12 x 18 (36) mm, USB-C		NEW	44,90	53,25
CW520-838-01, 515 nm, <1 mW, cw, automatic power control, 3-5 VDC, Ø8 x 18 (38) mm			32,90	39,02
CW520-05, 515 nm, <5 mW, cw, automatic power control, 3-5 VDC, Ø12 x 18 (36) mm			30,95	36,71
CW520-05F, 520 nm, <5 mW, cw, automatic power control, focusable, 3-5 V, Ø12 x 37 mm		NEW	41,20	48,86
CW520-05C, 515 nm, <5 mW, cw, automatic power control, 5 VDC, Ø12 x 18 (36) mm, USB-C		NEW	44,90	53,25
CW520-838-05, 515 nm, <5 mW, cw, automatic power control, 3-5 VDC, Ø8 x 18 (38) mm			32,90	39,02
RLCW520 series   GREEN   520 nm		Status	EUR / pc	USD / pc
	<b>DIRECT EMITTING</b> green diode laser modules - glass lens, fixed focus - CW operation - APC (automatic power control) - wide operating temperature (-10..+60°C) <b>520 nm</b>			
RLCW520-5-5, 520 nm, 5 mW, APC, 0.8 mrad, fixed focus, 120 mA, 5 VDC, Ø8 x 35 mm			165,00	195,68
RLCW520F-9-5, 520 nm, 9 mW, APC, 0.8 mrad, focusable, 100 mA, 5 VDC, Ø16 x 65 mm			182,00	215,84
RLCW520-12-5, 520 nm, 12 mW, APC, 0.8 mrad, fixed focus, 250 mA, 5 VDC, Ø8 x 35 mm			182,00	215,84
<b>Modulable</b>				
RLCW520M-1-3, 520 nm, 1 mW, APC, TTL <1 kHz, fixed focus, 30 mA, 3 VDC, Ø8 x 35 mm			165,00	195,68
RLCW520M-5-5, 520 nm, 5 mW, APC, TTL <10 kHz, fixed focus, 120 mA, 5 VDC, Ø8 x 35 mm			182,42	216,34
CW532 series   GREEN   532 nm		Status	EUR / pc	USD / pc
	GREEN DPSS Diode laser modules <b>Automatic Power Control (APC)</b> <b>Cinch or USB-C Connector</b> <b>Power Supply + Holder available</b> <b>532 nm</b>			
<b>Collimated</b>				
CW532-001, 532 nm, <1 mW, cw, APC, 0.6 mrad, ~140 mA, 2.7-4.2 VDC, Ø12 x 31 (49) mm			37,20	44,12
CW532-1-831, 532 nm, <1 mW, cw, APC, 1.2 mrad, 2.7-4.2 VDC, Ø8 x 31 (49) mm			36,20	42,93
CW532-005, 532 nm, <5 mW, cw, APC, 0.6 mrad, ~140 mA, 2.7-4.2 VDC, Ø12 x 31 (49) mm			40,20	47,68
CW532-5-831, 532 nm, <5 mW, cw, APC, 1.2 mrad, 2.7-4.2 VDC, Ø8 x 31 (49) mm			36,20	42,93
CW532-010, 532 nm, 10 mW, cw, APC, 0.8 mrad, ~200 mA, 2.7-4.2 VDC, Ø12 x 31 (49) mm			56,20	66,65
CW532-020, 532 nm, 20 mW, cw, APC, 0.8 mrad, ~250 mA, 2.7-4.2 VDC, Ø12 x 31 (49) mm			69,00	81,83
CW532-030, 532 nm, 30 mW, cw, APC, 0.8 mrad, ~350 mA, 2.7-4.2 VDC, Ø12 x 35 (53) mm			93,20	110,53
CW532-050, 532 nm, 50 mW, cw, APC, 0.8 mrad, ~600 mA, 2.7-4.2 VDC, Ø12 x 35 (53) mm			100,20	118,83
CW532-100, 532 nm, 100 mW, cw, ACC, 1.2 mrad, ~650 mA, 2.7-4.2 VDC, Ø12 x 31 (49) mm			200,20	237,43
<b>Focusable</b>				
CW532-001F, 532 nm, <1 mW, APC, focusable, 150 mA, 2.7-4.2 VDC, Ø13 x 37 (55) mm			43,70	51,83
CW532-005F, 532 nm, <5 mW, APC, focusable, 200 mA, 2.7-4.2 VDC, Ø13 x 37 (55) mm			43,70	51,83
CW532-010F, 532 nm, 10 mW, APC, focusable, 200 mA, 2.7-4.2 VDC, Ø13 x 37 (55) mm			53,70	63,69
CW532-020F, 532 nm, 20 mW, APC, focusable, 250 mA, 2.7-4.2 VDC, Ø13 x 37(55) mm			67,20	79,70
CW532-050F, 532 nm, 50 mW, APC, focusable, 600 mA, 2.7-4.2 VDC, Ø13 x 37 (55) mm			100,40	119,07
CW532-100F, 532 nm, 100 mW, ACC, focusable, 650 mA, 2.7-4.2 VDC, Ø13 x 37(55) mm			197,20	233,87
<b>USB-C Connector</b>				
CW532-01C, 532 nm, <1 mW, cw, APC, 0.6 mrad, ~140 mA, 5 VDC, Ø12 x 31 (49) mm, USB-C		NEW	48,90	57,99
CW532-05C, 532 nm, <5 mW, cw, APC, 0.6 mrad, ~140 mA, 5 VDC, Ø12 x 31 (49) mm, USB-C		NEW	50,70	60,13
<b>High operating temperature</b>				
CW532HT-1, 532 nm, 0.5-0.99 mW, cw, APC, 10-50°C, 1.2 mrad, 2.7-4.2 VDC, Ø12 x 31.3 (51.3) mm			69,70	82,66
CW532HT-5, 532 nm, 3-5 mW, cw, APC, 10-50°C, 1.2 mrad, 2.7-4.2 VDC, Ø12 x 31.3 (51.3) mm			69,70	82,66
LAS532-WT50-3, 532 nm, 3.25 mW, cw, APC, -10-50°C, 1.7 mrad, 3 VDC, Ø12 x 35 mm			102,00	120,97


CW532H series   GREEN   532 nm		Status	EUR / pc	USD / pc
	<p>GREEN DPSS laser modules</p> <p><b>Automatic Power Control (APC)</b>  <b>3 VDC</b>  <b>Heat Sink recommended</b>  <b>TTL modulation available</b></p> <p><b>532 nm</b></p>			
CW532H-050, 532 nm, 50 mW, 1.5 mrad, cw, Ø26 x 100 mm, 3.0 VDC			316,00	374,76
CW532H-100, 532 nm, 100 mW, 1.5 mrad, cw, Ø26 x 100 mm, 3.0 VDC			461,00	546,73
CW532H-300, 532 nm, 300 mW, 1.5 mrad, cw, Ø26 x 100 mm, 3.0 VDC			733,00	869,31
<b>Heat Sink</b>				
CWH-HSTEC5, Heat sink for CW-H series, TEC control, 100x62x76mm, 5VDC			152,00	180,27
CW532-04 series   GREEN   532 nm		Status	EUR / pc	USD / pc
	<p>GREEN DPSS Diode laser modules</p> <p><b>Automatic Power Control (APC)</b>  <b>CW + modulation (BNC)</b>  <b>9.0 VDC</b></p> <p><b>532 nm</b></p>			
CW532-04-1, 532 nm, <1 mW, 1.5 mrad, cw+modulation, case, BNC, 9.0 VDC			199,00	236,01
CW532-04-5, 532 nm, <5 mW, 1.5 mrad, cw+modulation, case, BNC, 9.0 VDC			219,00	259,72
CW532-04-10, 532 nm, <10 mW, 1.5 mrad, cw+modulation, case, BNC, 9.0 VDC			229,00	271,58
CW532-04-20, 532 nm, <20 mW, 1.5 mrad, cw+modulation, case, BNC, 9.0 VDC			318,00	377,13
CW532-04-30, 532 nm, >30 mW, 1.5 mrad, cw+modulation, case, BNC, 9.0 VDC			365,00	432,87
CW532-04-50, 532 nm, 50 mW, 1.5 mrad, cw+modulation, case, BNC, 9.0 VDC			449,00	532,50
CW532-04-80, 532 nm, 80 mW, 1.5 mrad, cw+modulation, case, BNC, 9.0 VDC			547,00	648,72
RLDD532 series   GREEN   532 nm		Status	EUR / pc	USD / pc
	<p>small size diode pumped solid state green laser modules, ready to use, auto power control, size: 16 x 60 mm supply voltage: 3.0 VDC</p> <p><b>532 nm</b></p>			
RLDD532-1-3, 532 nm, 1 mW, cw, laser class II, APC, 0.5 mrad, 3.0 VDC, Ø16 x 60 mm			78,34	92,91
RLDD532-1-3-LI, 532 nm, 1 mW, cw, laser class II, APC, 0.5 mrad, 3.0 VDC, wires only, Ø16 x 60 mm			78,34	92,91
RLDD532-3-3, 532 nm, 3 mW, cw, APC, 0.5 mrad, 3.0 VDC, Ø16 x 60 mm			80,77	95,79
RLDD532-5-3, 532 nm, 5 mW, cw, APC, 0.5 mrad, 3.0 VDC, Ø16 x 60 mm			90,77	107,65
RLDD532-10-3, 532 nm, 10 mW, cw, APC, 0.5 mrad, 3.0 VDC, Ø20 x 80 mm			122,31	145,05
RLDD532-50-3, 532 nm, 50 mW, cw, APC, 0.5 mrad, 3.0 VDC, Ø42 x 80 mm			313,00	371,20

## LASER MODULES - GREEN LINE


RLCW520   GREEN   520 nm		Status	EUR / pc	USD / pc
	<p>Green focusable line laser module</p> <ul style="list-style-type: none"> <li>- APC (automatic power control)</li> <li>- Focusable</li> <li>- <b>90° line</b>, cylinder lens</li> <li>- wide operating temperature (-10..+60°C)</li> </ul> <p><b>520 nm</b></p>			
RLCW520FL-5-5, 520 nm, 5 mW, line, 0.4 mrad, focusable, 150 mA, 5 VDC, Ø16 x 65 mm			166,70	197,70
CW532-L series   GREEN   532 nm		Status	EUR / pc	USD / pc
	<p>GREEN Diode pumped solid state (DPSS) line laser modules</p> <p><b>60° line generating lens (cylinder lens)</b>  <b>Automatic Power Control (APC)</b>  <b>Power Supply + Holder available</b></p> <p><b>532 nm</b></p>			
CW532-001L, 532 nm, <1 mW, cw, APC, 60° line, 2.7-4.2 VDC, Ø12 x 35 (51) mm			41,00	48,62
CW532-1-833L, 532 nm, <1 mW, cw, APC, 60° line, 150 mA, 2.7-4.2 VDC, Ø8 x 35 (53) mm			41,10	48,74
CW532-005L, 532 nm, <5 mW, cw, APC, 60° line, 2.7-4.2 VDC, Ø12 x 35 (51) mm			44,30	52,54
CW532-5-833L, 532 nm, <5 mW, cw, APC, 60° line, 200 mA, 2.7-4.2 VDC, Ø8 x 35 (53) mm			41,10	48,74
CW532-010L, 532 nm, <10 mW, cw, APC, 60° line, 2.7-4.2 VDC, Ø12 x 35 (51) mm			60,60	71,87
CW532-020L, 532 nm, <20 mW, cw, APC, 60° line, 2.7-4.2 VDC, Ø12 x 35 (51) mm			73,80	87,52
CW532-030L, 532 nm, 30 mW, cw, APC, 60° line, 2.7-4.2 VDC, Ø12 x 35 (51) mm			97,20	115,28
CW532-050L, 532 nm, 50 mW, cw, APC, 60° line, 2.7-4.2 VDC, Ø12 x 35 (51) mm			104,70	124,17
CW532-100L, 532 nm, 100 mW, cw, ACC, 60° line, 2.7-4.2 VDC, Ø12 x 35 (51) mm			204,70	242,77

RLDD532L   GREEN   532 nm	Status	EUR / pc	USD / pc
 <p><b>DIRECT EMITTING</b> green line laser modules</p> <ul style="list-style-type: none"> <li>- APC (automatic power control)</li> <li>- <b>90° line</b>, cylinder lens</li> <li>- wide operating temperature (-10...+60°C)</li> </ul>			
RLDD532L-5-3, 532 nm, <5 mW, cw, APC, 90° line, <300 mA, 3.0 VDC, Ø14 x 60 mm		78,00	92,50


## LASER MODULES - GREEN CROSS LINE


RLC series   GREEN	Status	EUR / pc	USD / pc
 <p><b>DIRECT EMITTING</b> green cross line laser modules</p> <ul style="list-style-type: none"> <li>- APC (automatic power control)</li> <li>- <b>90° cross line</b>, cylinder lenses</li> <li>- fixed focus</li> <li>- wide operating temperature (-10 .. +60 °C)</li> </ul> <p><b>520 + 532 nm</b></p>			
RLCW520C-5-5, 520 nm, 4.5-5.5 mW, cross line, fixed focus, 80 mA, 5 VDC, Ø20 x 80 mm		182,00	215,84
RLCA532-5-3, 532 nm, <5 mW, cw, APC, cross line, <300 mA, 3.0 VDC, Ø20 x 80 mm		91,00	107,92



## LASER MODULES - GREEN 360° LINE

TN360 series   GREEN	Status	EUR / pc	USD / pc
 <p>High power 360° line laser module</p> <p>Compact size laser module with 360° line projection through a polished cone mirror. Working distance: 5 m</p>			
CW360-5210, 520 nm, 10 mW, 360° line, APC, 3-5 VDC, Ø12 (20) x 37 mm		47,10	55,86
TN360-5020, 505 nm, 20 mW, 360° line, 7.0 VDC, Ø13(20) x 35 mm	<b>EOL</b>	59,00	69,97




## LASER MODULES - YELLOW





CW561H series   YELLOW-GREEN   561 nm	Status	EUR / pc	USD / pc
 <p>YELLOW-GREEN DPSS laser modules</p> <p><b>Automatic Power Control (APC)</b> <b>3 VDC</b> <b>Heat Sink recommended</b> <b>TTL modulation available</b></p> <p><b>561 nm</b></p>			
CW561H-01, 561 nm, 1 mW, 1.5 mrad, cw, Ø26 x 100 mm, 3.0 VDC		990,00	1.174,10
CW561H-05, 561 nm, 5 mW, 1.5 mrad, cw, Ø26 x 100 mm, 3.0 VDC		990,00	1.174,10
CW561H-10, 561 nm, 10 mW, 1.5 mrad, cw, Ø26 x 100 mm, 3.0 VDC		990,00	1.174,10
CW561H-20, 561 nm, 20 mW, 1.5 mrad, cw, Ø26 x 100 mm, 3.0 VDC		1.411,00	1.673,39
<b>Heat Sink</b>			
CWH-HSTEC5, Heat sink for CW-H series, TEC control, 100x62x76mm, 5VDC		152,00	180,27

CW589H series   YELLOW   589 nm	Status	EUR / pc	USD / pc
 <p>YELLOW DPSS laser modules</p> <p><b>Automatic Power Control (APC)</b> <b>3 VDC</b> <b>Heat Sink recommended</b> <b>TTL modulation available</b></p> <p><b>589 nm</b></p>			
CW589H-01, 589 nm, 1 mW, 1.5 mrad, cw, Ø26 x 100 mm, 3.0 VDC		910,00	1.079,22
CW589H-05, 589 nm, 5 mW, 1.5 mrad, cw, Ø26 x 100 mm, 3.0 VDC		910,00	1.079,22
CW589H-10, 589 nm, 10 mW, 1.5 mrad, cw, Ø26 x 100 mm, 3.0 VDC		910,00	1.079,22
CW589H-30, 589 nm, 30 mW, 1.5 mrad, cw, Ø26 x 100 mm, 3.0 VDC		1.114,00	1.321,16
CW589H-50, 589 nm, 50 mW, 1.5 mrad, cw, Ø26 x 100 mm, 3.0 VDC		1.529,00	1.813,33
CW589H-80, 589 nm, 80 mW, 1.5 mrad, cw, Ø26 x 100 mm, 3.0 VDC		1.882,00	2.231,97
<b>Heat Sink</b>			
CWH-HSTEC5, Heat sink for CW-H series, TEC control, 100x62x76mm, 5VDC		152,00	180,27



CW series   YELLOW   593 nm		Status	EUR / pc	USD / pc
	DPSS laser modules <b>Automatic Power Control (APC)</b> <b>Cinch Connector</b> <b>Focusable</b> <b>Heat Sink required</b>			
CW593-01, 593 nm, <1 mW, cw, <1.2 mrad, <450 mA, 2.7-4.2 VDC, Ø12 x 31 (49) mm		<b>NEW</b>	54,30	64,40
<b>Heat Sink</b>				
SQ50X34, heat sink for CW Ø12mm series, black aluminium, 114 g, 50 x 50 x 34 mm			18,90	22,41
CW594H series   YELLOW   593.5 nm		Status	EUR / pc	USD / pc
	YELLOW DPSS laser modules <b>Automatic Power Control (APC)</b> <b>3 VDC</b> <b>Heat Sink recommended</b> <b>TTL modulation available</b> <b>593.5 nm</b>			
CW594H-01, 593.5 nm, 1 mW, 1.5 mrad, cw, Ø26 x 100 mm, 3.0 VDC		<b>NEW</b>	910,00	1.079,22
CW594H-05, 593.5 nm, 5 mW, 1.5 mrad, cw, Ø26 x 100 mm, 3.0 VDC			956,00	1.133,78
CW594H-10, 593.5 nm, 10 mW, 1.5 mrad, cw, Ø26 x 100 mm, 3.0 VDC			1.114,00	1.321,16
CW594H-20, 593.5 nm, 20 mW, 1.5 mrad, cw, Ø26 x 100 mm, 3.0 VDC			1.294,00	1.534,63
CW594H-30, 593.5 nm, 30 mW, 1.5 mrad, cw, Ø26 x 100 mm, 3.0 VDC			1.529,00	1.813,33
<b>Heat Sink</b>				
CW-HSTEC5, Heat sink for CW-H series, TEC control, 100x62x76mm, 5VDC			152,00	180,27








## LASER MODULES - RED 635 nm






CW series   RED   635 nm		Status	EUR / pc	USD / pc
	<b>Automatic Power Control (APC)</b> <b>Focusable</b> <b>Cinch or USB-C Connector</b> <b>635 nm</b>			
CW635-01, 635 nm, <1 mW, cw, focusable, APC, 3-5 VDC, Ø12 x 37 mm			16,90	20,04
CW635-01C, 635 nm, <1 mW, cw, focussable, APC, 5 VDC, Ø12 x 37 mm, USB-C connector		<b>NEW</b>	21,90	25,97
CW635-05, 635 nm, <5 mW, cw, focusable, APC, 3-5 VDC, Ø12 x 37 mm			18,20	21,58
CW635-05C, 635 nm, <5 mW, cw, focusable, APC, 5 VDC, Ø12 x 37 mm, USB-C connector		<b>NEW</b>	23,20	27,51
CW635-10, 635 nm, 10 mW, cw, focusable, APC, 3-5 VDC, Ø12 x 37 mm			25,70	30,48
CW635-10C, 635 nm, 10 mW, cw, focusable, APC, 5 VDC, Ø12 x 37 mm, USB-C connector		<b>NEW</b>	29,70	35,22
LJ series   RED   635 nm		Status	EUR / pc	USD / pc
	<b>Automatic Power Control (APC)</b> <b>Focusable Single Element Acryl Lens</b> <b>Modulation Option available</b> <b>635 nm</b>			
LDM635/1LJ, 635 nm, 1 mW, focusable, 3-5 V, Ø12 x 30.5 mm			31,80	37,71
LDM635/3LJ, 635 nm, 3 mW, focusable, 3-5 V, Ø12 x 30.5 mm			35,60	42,22
LDM635/5LJ, 635 nm, 5 mW, focusable, 3-5 V, Ø12 x 30.5 mm			37,60	44,59
<b>Modulable</b>				
LDM635/1LJM, 635 nm, 1 mW, focusable, 3-5 V, Ø12 x 30.5 mm, modulable			28,00	33,21
LDM635/5LJM, 635 nm, 5 mW, focusable, 3-5 V, Ø12 x 30.5 mm, modulable			38,90	46,13
LT series   RED   635 nm		Status	EUR / pc	USD / pc
	<b>Automatic Power Control (APC)</b> <b>Focusable 3 Element Glass Lens</b> <b>Excellent Beam Quality</b> <b>Modulation Option available</b> <b>635 nm</b>			
LDM635/1LT, 635 nm, 1 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm			48,20	57,16
LDM635/1LTF, 635 nm, 1 mW, fixfocus, glass lens, 4-6V, Ø13 x 52 mm			31,00	36,76
LDM635/3LT, 635 nm, 3 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm			32,40	38,43
LDM635/5LT, 635 nm, 5 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm			52,00	61,67
<b>Modulable</b>				
LDM635/5LTM, 635 nm, 5 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm, modulable			60,00	71,16


APCD-02 Series   RED   635 nm		Status	EUR / pc	USD / pc
	<b>Compact Size Ø 6.0 mm x 11 mm Brass Body</b>   APC Driver integrated   Focusable Acryl Lens   3 VDC Supply Voltage			
APCD-635-02-C2, 635 nm, <1 mW, laser class II, focusable, Ø6.0 x 11 mm			9,33	11,06
APCD-635-02-C3, 635 nm, <3 mW, focusable, Ø6.0 x 11 mm			9,33	11,06
LM-101-C4   RED   635 nm		Status	EUR / pc	USD / pc
	<b>Low Cost General Purpose Module</b>   APC Driver   Fix Focus Acryl Lens   3 VDC Supply Voltage			
LM-101-C4, 635 nm, <1 mW, TUV, 3.0 VDC, Ø8 x 24 mm			6,35	7,53
RLD series   RED   635 nm		Status	EUR / pc	USD / pc
	RLD red laser diode module series - single mode - focusable glass lens  <b>635 nm</b>			
RLDC635-2.2-3-LI, 635 nm, typ. 2.5 mW, focusable, 3 VDC, wires only, Ø8 x 25.0 mm			29,90	35,46
RLDE635-10-3, 635 nm, 10 mW, SM, focusable, 3 VDC, Ø14 x 45 mm			53,00	62,86
<b>Modulable</b>				
RLDH635M-4-5, 635 nm, 4 mW, APC, TTL <500 kHz, focusable, 5 VDC, Ø12 x 34 mm			31,00	36,76
LDM635   RED   635 nm		Status	EUR / pc	USD / pc
	LDM635-03-05x25 low cost laser diode module for general purposes, 635 nm, < 3 mW			
LDM635-03-08X25, 635 nm, <3 mW, fixfocus, 3.0 VDC, Ø8 x 25 mm			8,10	9,61

## LASER MODULES - RED 650 nm


CW series   RED   650 nm		Status	EUR / pc	USD / pc
	RED Diode laser modules <b>Automatic Power Control (APC)</b> <b>Cinch or USB-C Connector</b> <b>Focusable</b> <b>Power Supply + Holder available</b>			
CW650-01, 650 nm, <1 mW, cw, focusable, APC, 3-5 VDC, Ø12 x 37 mm			15,30	18,15
CW650-01C, 650 nm, <1 mW, cw, focusable, APC, 5 VDC, Ø12 x 37 mm, USB-C connector		NEW	19,50	23,13
CW650-05, 650 nm, <5 mW, cw, focusable, APC, 3-5 VDC, Ø12 x 37 mm			16,50	19,57
CW650-05C, 650 nm, <5 mW, cw, focusable, APC, 5 VDC, Ø12 x 37 mm, USB-C connector		NEW	20,80	24,67
CW650-10, 650 nm, 10 mW, cw, focusable, APC, 3-5 VDC, Ø12 x 37 mm			22,90	27,16
CW650-10C, 650 nm, 10 mW, cw, focusable, APC, 5 VDC, Ø12 x 37 mm, USB-C connector		NEW	27,30	32,38
LJ series   RED   650 nm		Status	EUR / pc	USD / pc
	<b>Automatic Power Control (APC)</b> <b>Focusable Single Element Acryl Lens</b> <b>Modulation Option available</b>  <b>650 nm</b>			
LDM650/1LJ, 650 nm, 1 mW, focusable, 3-5 V, Ø12 x 30.5 mm			22,00	26,09
LDM650/3LJ, 650 nm, 3 mW, focusable, 3-5 V, Ø12 x 30.5 mm			24,00	28,46
LDM650/5LJ, 650 nm, 5 mW, focusable, 3-5 V, Ø12 x 30.5 mm			28,60	33,92
<b>Modulable</b>				
LDM650/1LJM, 650 nm, 1 mW, focusable, 3-5 V, Ø12 x 30.5 mm, modulable			25,89	30,70
LDM650/5LJM, 650 nm, 5 mW, focusable, 3-5 V, Ø12 x 30.5 mm, modulable			29,00	34,39

LT series   RED   650 nm	Status	EUR / pc	USD / pc
 <p><b>Automatic Power Control (APC)</b>  <b>Focusable 3 Element Glass Lens</b>  <b>Excellent Beam Quality</b>  <b>Modulation Option available</b></p> <p><b>650 nm</b></p>			
LDM650/1LT, 650 nm, 1 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm		42,00	49,81
LDM650/3LT, 650 nm, 3 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm		31,30	37,12
LDM650/5LT, 650 nm, 5 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm		39,00	46,25
<b>Modulable</b>			
LDM650/5LTM, 650 nm, 5 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm, modulable		40,00	47,44
APCD-01 series   RED   650 nm	Status	EUR / pc	USD / pc
 <p><b>Compact Size Ø 4.0 mm x 9.1 mm Brass Body</b></p> <ul style="list-style-type: none"> <li>  APC Driver integrated</li> <li>  Fixfocus Acryl Lens</li> <li>  3 VDC Supply Voltage</li> </ul>			
APCD-650-01-C2, 650 nm, <1 mW, laser class II, lop <35 mA, fixfocus, Ø4.0 x 9.1 mm		8,33	9,88
APCD-650-01-C3, 650 nm, <3 mW, lop <35 mA, fixfocus, Ø4.0 x 9.1 mm		8,33	9,88
APCD-02 series   RED   650 nm	Status	EUR / pc	USD / pc
 <p><b>Compact Size Ø 6.0 mm x 11 mm Brass Body</b></p> <ul style="list-style-type: none"> <li>  APC Driver integrated</li> <li>  Focusable Acryl Lens</li> <li>  3 VDC Supply Voltage</li> </ul>			
APCD-650-02-C2, 650 nm, <1 mW, laser class II, focusable, Ø6.0 x 11 mm		8,63	10,23
APCD-650-02-C3, 650 nm, <3 mW, focusable, Ø6.0 x 11 mm		8,63	10,23
APCD-06 series   RED   650 nm	Status	EUR / pc	USD / pc
 <p><b>Compact Size Ø 6.5 mm x 9.0 mm Aryl Body</b></p> <ul style="list-style-type: none"> <li>  APC Driver integrated</li> <li>  Fixfocus Embedded Lens</li> <li>  3 VDC Supply Voltage</li> </ul> <p><b>650 nm</b></p>			
APCD-650-06-C2, 650 nm, <1 mW, laser class II, lop <35 mA, fixfocus, Ø6.5 x 9.0 mm		6,49	7,70
APCD-650-06-C3, 650 nm, <3 mW, lop <35 mA, fixfocus, Ø6.5 x 9.0 mm		6,49	7,70
APCD-07 series   RED   650 nm	Status	EUR / pc	USD / pc
 <p><b>ULTRA Compact Size Ø 3.3 mm x 8.0 mm Brass Body</b></p> <ul style="list-style-type: none"> <li>  APC Driver integrated</li> <li>  Fixfocus Acryl Lens</li> <li>  3 VDC Supply Voltage</li> </ul>			
APCD-650-07-C2, 650 nm, <1 mW, laser class II, lop <35 mA, fixfocus, Ø3.3 x 8.0 mm		8,80	10,44
APCD-650-07-C3, 650 nm, <3 mW, lop <35 mA, fixfocus, Ø3.3 x 8.0 mm		8,80	10,44
LM-101-A16   RED   650 nm	Status	EUR / pc	USD / pc
 <p>low cost red laser module series, for general purpose  input voltage 3-5 VDC, Po &lt;1 mW, 9 x 26 mm</p> <p><b>Laser class II</b></p> <p><b>650 nm</b></p>			
LM-101-A16, 650 nm, <1 mW, Laser Class II, fixfocus, 3-5 VDC, Ø9 x 26 mm		8,48	10,06
LM-101-A16F, 650 nm, <1 mW, Laser Class II, focusable, 3-5 VDC, Ø9 x 26 mm		8,48	10,06
LM-10x   RED   650 nm	Status	EUR / pc	USD / pc
 <p>low cost red laser module series, for general purpose  power typ &lt;1 mW or &lt;5 mW,  custom design on request</p> <p><b>650 nm</b></p>			
LM-101-A4, 650 nm, <1 mW, TUV, 3.0 VDC, Ø8 x 24 mm		6,20	7,35
LM-102-B004, 650 nm, <5 mW, FDA, 3.0 VDC, Ø8 x 24 mm		8,60	10,20




DT650-2.5-3   RED   650 nm		Status	EUR / pc	USD / pc
	low cost laser diode module for general purposes, visible wavelength <b>650 nm</b>			
DT650-2.5-3, 650 nm, 3 mW, focusable, 3.0 VDC, Ø10.5 x 28 mm			6,89	8,17
VLM650 series   RED   650 nm		Status	EUR / pc	USD / pc
	Special purpose laser modules VLMxxx-yy-LPT: <1 mW VLMxxx-yy-LPA: <5 mW <b>650 nm</b>			
VLM650-00, 650 nm, <3 mW, fixfocus, w/o driver board, Ø10.52 x 17.20 mm			25,40	30,12
VLM650-01-LPA, 650 nm, <5 mW, fixfocus, Ø10.4 x 18.5 mm			28,70	34,04
VLM650-02-LPA, 650 nm, <5 mW, fixfocus, Ø10.5 x 17.2 mm			27,20	32,26
VLM650-03-LPT, 650 nm, <1 mW, fixfocus, Ø7.0 x 22.5 mm			23,50	27,87
VLM650-04-LPT, 650 nm, <1 mW, fixfocus, Ø6.55 x 12.10 mm			15,90	18,86
VLM650-06-LPA, 650 nm, <5 mW, fixfocus, Ø12.5 x 53.0 mm			60,00	71,16
VLM650-07-LPA, 650 nm, <5 mW, fixfocus, Ø12.5 x 53.0 mm			61,00	72,34
VLM650-08-LPA, 650 nm, <5 mW, fixfocus, Ø10.51 x 24.6 mm			17,50	20,75
VLM650-09-LPA, 650 nm, <5 mW, fixfocus, Ø10.51 x 31.0 mm			17,50	20,75
VLM650-11-LPA, 650 nm, <5 mW, fixfocus, Ø10.52 x 30.00 mm			26,30	31,19
VLM650-14-LPA, 650 nm, <5 mW, fixfocus, Ø12.00 x 43.0 mm			43,75	51,89
VLM650-15-LPA, 650 nm, <5 mW, fixfocus, Ø12.00 x 30.0 mm			43,75	51,89
VLM650-16-LPT, 650 nm, <1 mW, fixfocus, Ø8.50 x 24.5 mm			27,00	32,02
VLM650-16-LPA, 650 nm, <5 mW, fixfocus, Ø8.50 x 24.5 mm			62,30	73,89
VLM650-17-LPT, 650 nm, <1 mW, fixfocus, Ø12.00 x 30.0 mm			28,80	34,16
VLM650-17-LPA, 650 nm, <5 mW, fixfocus, Ø12.00 x 30.0 mm			28,80	34,16
RLD series   RED   650 - 660 nm		Status	EUR / pc	USD / pc
	RLD red laser diode modules - single mode - focusable glass lens - TTL modulation option - up to 70mW			
RLDG650-13-3-LI, 655 nm, 13 mW, SM, focusable, 3 VDC, wires only, Ø14 x 45 mm			26,00	30,83
RLDH650-24-3, 655 nm, 24 mW, SM, focusable, 3 VDC, Ø14 x 45 mm			76,00	90,13
RLDH650-24-3-LI, 655 nm, 24 mW, SM, focusable, 3 VDC, wires only, Ø14 x 45 mm			76,00	90,13
RLDH660-40-3, 660 nm, 40 mW, SM, focusable, 3 VDC, Ø16 x 50 mm			136,00	161,29
RLDH660-70-3, 660 nm, 70 mW, SM, focusable, 3 VDC, Ø22 x 65 mm			142,00	168,41
<b>Modulable</b>				
RLDH650M-4-5, 650 nm, 4 mW, APC, TTL <500 kHz, focusable, 5 VDC, Ø12 x 34 mm			26,50	31,43
RLDH650M-24-5, 650 nm, 24 mW, ACC, TTL <200 kHz, focusable, 5 VDC, Ø14 x 45 mm			75,00	88,95
RLDH650M-40-5, 650 nm, 40 mW, ACC, TTL <50 kHz, focusable, 5 VDC, Ø16 x 50 mm			118,00	139,94
RLD Micro series   RED   650 - 670 nm		Status	EUR / pc	USD / pc
	very small size 8 x 27.5 mm - focusable glass collimator - power supply 3 VDC <b>650, 670 nm</b>			
RLDG650-1-3-LI, 650 nm, 1 mW, APC, 0.8 mrad, fixed focus, 50 mA, 3 VDC, wires only, Ø7 x 14 mm			6,50	7,71
RLDC650-2.2-3, 650 nm, typ. 2 mW, focusable, 3 VDC, Ø8 x 25.0 mm			16,00	18,98
RLDC670-2.2-3-LI, 670 nm, typ. 2 mW, focusable, 3 VDC, wires only, Ø8 x 25 mm			20,15	23,90
LDM-1A   RED   670 nm		Status	EUR / pc	USD / pc
	Micro laser diode module series - PCB mountable - focussable (100µm spotsize) - divergence < 1 mrad <b>670 nm</b>			
LDM-1A, 670 nm, <1 mW, FDA, 3-6 VDC, 13 x 13 x 10 mm			335,00	397,30

OEM series   RED	Status	EUR / pc	USD / pc
 <p>low cost general purpose laser diode modules <b>PHASE OUT</b></p>			
LM-01, 650 nm, <3 mW, dot, fixfocus, 3.0 VDC, Ø8 x 29.5 mm	EOL	3,50	4,15
LM-02, 650 nm, <3 mW, dot, fixfocus, 3.0 VDC, Ø12 x 30.5 mm	EOL	3,50	4,15
RLM-650-A-1, 650 nm, 1-2 mW, 3.0-4.5 VDC, Ø10 x 26.5 mm	EOL	5,83	6,91
RLM-635-A-3, 635 nm, typ. 3..5 mW, 3.0-4.5 VDC, Ø10 x 26.5 mm	EOL	13,78	16,34
RLM-635-B-1, 635 nm, <1 mW, 3.0-4.5 VDC, Ø8 x 23.5 mm	EOL	13,78	16,34


## LASER MODULES - RED BEAM EXPANDER

RLE series   RED	Status	EUR / pc	USD / pc
 <p>expanded beam laser diode module series for extreme target distances</p> <p>635, 650 nm</p>			
RLE635-1-3-8, 635 nm, 1 mW, SM, Ø8 mm beam aperture, round beam, 3 VDC		76,00	90,13
RLE635-2-3-8, 635 nm, 2 mW, SM, Ø8 mm beam aperture, round beam, 3 VDC		93,00	110,29
RLE635-2-3-20, 635 nm, 2 mW, SM, Ø20 mm beam aperture, round beam, 3 VDC		112,00	132,83
RLE650-1-3-8, 650 nm, 1 mW, SM, Ø8 mm beam aperture, square beam, 3 VDC		64,00	75,90
RLE650-8-3-20, 650 nm, 8 mW, SM, Ø20 mm beam aperture, square beam, 3 VDC		134,00	158,92
RLE650-8-5-30, 650 nm, 8 mW, SM, Ø30 mm beam aperture, square beam, 5 VDC		169,00	200,43


## LASER MODULES - RED LINE

RLCW series   RED	Status	EUR / pc	USD / pc
 <p>Red focusable line laser modules</p> <ul style="list-style-type: none"> <li>- APC (automatic power control)</li> <li>- Focusable</li> <li>- 90° line, cylinder lens</li> <li>- wide operating temperature (-10..+60°C)</li> </ul> <p>635 + 650 nm</p>			
RLCW635FL-5-3, 635 nm, 5 mW, line, 0.4 mrad, focusable, 3 VDC, Ø16 x 65 mm	NEW	71,43	84,71
RLCW650FL-5-3, 655 nm, 5 mW, line, 0.4 mrad, focusable, 3 VDC, Ø16 x 65 mm	NEW	65,70	77,92
LM-101-A102   RED	Status	EUR / pc	USD / pc
 <p>low cost, red line laser module, for general purpose. Input voltage 3-5 VDC, Po &lt;1 mW, 60° acrylic line generating lens, 9 x 30 mm</p> <p><b>Laser class II</b></p>			
LM-101-A102, 650 nm, <1 mW, line, Laser Class II, 3-5 VDC, Ø9 x 30 mm		8,48	10,06
RLL series   RED	Status	EUR / pc	USD / pc
 <p>high power line laser module uses cylindrical glass lens</p>			
RLLI635-2.5-3, 635 nm, 2.5 mW, typ. 100° line, 3 VDC, with connector, Ø8 x 25.5 mm		28,00	33,21
RLLI635-2.5-3-LI, 635 nm, 2.5 mW, typ. 100° line, 3 VDC, wires only, Ø8 x 25.5 mm		28,00	33,21
RLLH635-4-3-LI, 635 nm, 4 mW, typ. 100° line, 3 VDC, wires only, Ø12 x 32 mm		40,00	47,44
RLLH635-4-5, 635 nm, 4 mW, typ. 100° line, 5 VDC, Ø12 x 32 mm		40,00	47,44
RLLH635-4-5-LI, 635 nm, 4 mW, typ. 100° line, 5 VDC, wires only, Ø12 x 32 mm		40,00	47,44
RLLI650-1-3-LI, 655 nm, <1 mW, 100° line, 3 VDC, wires only, Ø8 x 25.5 mm		25,00	29,65
RLLH650-16-3, 650 nm, 16 mW, typ. 100° line, 3 VDC, Ø14 x 45 mm		83,00	98,43
RLLH650-24-3, 650 nm, 24 mW, typ. 100° line, 3 VDC, Ø14 x 49 mm		146,00	173,15





# LASER MODULES - RED CROSS LINE



RLCB series   RED	Status	EUR / pc	USD / pc
 <p><b>cross line laser module</b> uses two 90° twisted cylindrical glass lenses APC (automatic power control)</p>			
RLCB635-2.5-3, 635 nm, 2.5 mW, cross line, fixed focus, 3 VDC, Ø16 x 45 mm		40,00	47,44
RLCB635-5-5, 635 nm, 5 mW, cross line, fixed focus, 5 VDC, Ø16 x 45 mm		49,00	58,11

# LASER MODULES - RED 360° LINE




TN360 series   RED	Status	EUR / pc	USD / pc
 <p><b>High power 360° line laser module</b> Compact size laser module with 360° line projection through a polished cone mirror. Working distance. 5m</p>			
CW360-6310, 635 nm, 10 mW, 360° line, APC, 3-5 VDC, Ø12 (20) x 37 mm		42,90	50,88
TN360-6450, 638 nm, 50 mW, 360° line, 3-5 VDC, Ø13(20) x 35 mm		35,40	41,98

# LASER MODULES - 780 nm


CW series   INFRARED   780 nm	Status	EUR / pc	USD / pc
 <p>Diode laser modules <b>Automatic Power Control (APC)</b> <b>Cinch Connector</b> <b>Focusable</b> <b>Power Supply + Holder available</b></p>			
CW780-005, 780 nm, <5 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm	NEW	37,90	44,95
CW780-010, 780 nm, 10 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm	NEW	41,10	48,74
CW780-050, 780 nm, 50 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm	NEW	53,30	63,21
APCD 01 series   INFRARED   780 nm	Status	EUR / pc	USD / pc
 <p><b>Compact Size Ø 4.0 mm x 9.1 mm Brass Body</b>   APC Driver integrated   Fixfocus Acryl Lens   3 VDC Supply Voltage</p>			
APCD-780-01-C2, 780 nm, <1 mW, lop <35 mA, fixfocus, Ø4.0 x 9.1 mm		17,50	20,75
APCD-780-01-C3, 780 nm, <3 mW, lop <35 mA, fixfocus, Ø4.0 x 9.1 mm		17,50	20,75
APCD 06 series   INFRARED   780 nm	Status	EUR / pc	USD / pc
 <p><b>Compact Size Ø 6.5 mm x 9.0 mm Aryl Body</b>   APC Driver integrated   Fixfocus Embedded Lens   3 VDC Supply Voltage</p> <p><b>780 nm</b></p>			
APCD-780-06-C2, 780 nm, <1 mW, lop <35 mA, fixfocus, Ø6.5 x 9.0 mm		15,00	17,79
APCD-780-06-C3, 780 nm, <3 mW, lop <35 mA, fixfocus, Ø6.5 x 9.0 mm		15,00	17,79
APCD 07 series   INFRARED   780 nm	Status	EUR / pc	USD / pc
 <p><b>ULTRA Compact Size Ø 3.3 mm x 8.0 mm Brass Body</b>   APC Driver integrated   Fixfocus Acryl Lens   3 VDC Supply Voltage</p> <p><b>780 nm</b></p>			
APCD-780-07-C2, 780 nm, <1 mW, lop <35 mA, fixfocus, Ø3.3 x 8.0 mm		17,50	20,75
APCD-780-07-C3, 780 nm, <3 mW, lop <35 mA, fixfocus, Ø3.3 x 8.0 mm		17,50	20,75

LDM780-03   INFRARED   780 nm	Status	EUR / pc	USD / pc
 <p>LDM780-03-11x30 low cost infrared laser diode module for general purpose</p> <p><b>780 nm</b></p>			
LDM780-03-11X20, 780 nm, 3 mW, 3.0 VDC, Ø11 x 20 mm		7,95	9,43
RLD series   INFRARED   780 nm	Status	EUR / pc	USD / pc
 <p>infrared laser diode module series focusable glass lens - up to 4000 mW</p> <p><b>780 nm</b></p>			
RLDC780-2-3-LI, 780 nm, 2 mW, SM, focusable, glass optic, 3 VDC, wires only, Ø14 x 43 mm		24,00	28,46
RLDB780-30-3, 780 nm, 30 mW, focusable, glass optic, 3 VDC, Ø16 x 48 mm		63,00	74,72


## LASER MODULES - 808 nm


CW series   INFRARED   808 nm	Status	EUR / pc	USD / pc
 <p>Diode laser modules</p> <p><b>Automatic Power Control (APC)</b> <b>Cinch Connector</b> <b>Focusable</b> <b>Power Supply + Holder available</b></p>			
CW808-005, 808 nm, <5 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm	NEW	26,19	31,06
CW808-010, 808 nm, 10 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm	NEW	26,19	31,06
CW808-050, 808 nm, 50 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm	NEW	41,90	49,69
CW808-100, 808 nm, 100 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm	NEW	52,40	62,14
LDM808/3LJ   INFRARED   808 nm	Status	EUR / pc	USD / pc
 <p>LJ series laser diode module complete and ready to use, focusable single element aspheric acrylic collimator optic, diverse wavelengths available</p> <p><b>808 nm</b></p>			
LDM808/3LJ, 808 nm, 3 mW, focusable, 3-6 V, Ø12 x 30.5 mm		26,70	31,67
RLD series   INFRARED   808 nm	Status	EUR / pc	USD / pc
 <p>infrared laser diode module series focusable glass lens - up to 4000 mW</p> <p><b>808 nm</b></p>			
RLDB808-120-3, 808 nm, 120 mW, focusable, 3 VDC, Ø22 x 65 mm		35,00	41,51
RLDH808-120-3, 808 nm, 120 mW, focusable, 3 VDC, with connector, Ø22 x 65 mm		39,00	46,25
RLDB808-150-3, 808 nm, 150 mW, focusable, 3 VDC, Ø22 x 65 mm		68,00	80,65
RLDB808-200-3, 808 nm, 200 mW, focusable, 3 VDC, with connector, Ø22 x 65 mm		72,00	85,39
RLDB808-200-3-LI, 808 nm, 200 mW, focusable 3 VDC, wires only, Ø22 x 65 mm		72,00	85,39
RLDB808-300-3, 808 nm, 300 mW, focusable, 3 VDC, Ø22 x 65 mm		78,00	92,50
RLDB808-350-3, 808 nm, 350 mW, focusable, 3 VDC, Ø22 x 65 mm		82,00	97,25
RLDB808-500-5, 808 nm, 500 mW, focusable, 5 VDC, Ø45 x 120 mm		88,00	104,36
RLDH808-1200-5, 808 nm, 1.2 W, focusable, 5 VDC, 444 g, Ø45 x 100 mm		277,40	328,98
RLDH808-4000-5, 808 nm, 4.0 W, focusable, 5 VDC, 1.2 kg, 60 x 110 mm		990,00	1.174,10
<b>Modulable</b>			
RLDH808M-120-5, 808 nm, 120 mW, APC, TTL <5 kHz, focusable, 5 VDC, Ø22 x 65 mm		48,00	56,93
RLDH808M-350-5, 808 nm, 350 mW, APC, TTL <5 kHz, focusable, 5 VDC, Ø22 x 65 mm		74,00	87,76


# LASER MODULES - 808 nm LINE

RLLH808-350-3   INFRARED   808 nm	Status	EUR / pc	USD / pc
 <p>Infrared line laser module - APC (automatic power control) - <b>90° line</b>, cylinder lens - <b>350 mW</b></p> <p><b>808 nm</b></p>			
RLLH808-350-3, 808 nm, 350 mW, APC, line, fixed focus, 3 VDC, Ø22 x 70 mm		76,00	90,13


# LASER MODULES - 830 nm

CW series   INFRARED   830 nm	Status	EUR / pc	USD / pc
 <p>Diode laser modules</p> <p><b>Automatic Power Control (APC)</b> <b>Cinch Connector</b> <b>Focusable</b> <b>Power Supply + Holder available</b></p>			
CW830-005, 830 nm, <5 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm	<b>NEW</b>	20,90	24,79
CW830-010, 830 nm, 10 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm	<b>NEW</b>	24,10	28,58
CW830-020, 830 nm, 20 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm	<b>NEW</b>	33,30	39,49






RLD series   INFRARED   830 nm	Status	EUR / pc	USD / pc
 <p>infrared laser diode module series focusable glass lens - <b>up to 120 mW</b></p> <p><b>830 nm</b></p>			
RLDH830-3-3, 830 nm, 3 mW, focusable, ARC glass collimator, 3 VDC, connector plug, Ø12 x 34.5 mm		22,00	26,09
RLDH830-3-3-LI, 830 nm, 3 mW, focusable, ARC glass collimator, 3 VDC, wires only, Ø12 x 34.5 mm		22,00	26,09
RLDH830-30-3, 830 nm, 30 mW, focusable, ARC glass collimator, 3 VDC, Ø14 x 43 mm		35,00	41,51
RLDH830-120-3, 830 nm, 120 mW, focusable, ARC glass collimator, 3 VDC, Ø22 x 65 mm		96,80	114,80


LM-102-H002   INFRARED   830 nm	Status	EUR / pc	USD / pc
 <p>low cost, infrared laser diode module, focusable, output power typ. &lt; 3 mW</p> <p><b>830 nm</b></p>			
LM-102-H002, 830 nm, <3 mW, focusable, 3.0 VDC, Ø9.8 x 26 mm		o.r.	o.r.

# LASER MODULES - 830 nm LINE



RLLH830-30-3   INFRARED   808 nm	Status	EUR / pc	USD / pc
 <p>Infrared line laser modules - APC (automatic power control) - <b>90° line</b>, cylinder lens - <b>30 mW</b></p> <p><b>830 nm</b></p>			
RLLH830-30-3, 830 nm, 30 mW, APC, line, fixed focus, 3 VDC, Ø14 x 45 mm		79,00	93,69

# LASER MODULES - 850 nm


CW series   INFRARED   850 nm	Status	EUR / pc	USD / pc
 <p>Diode laser modules</p> <p><b>Automatic Power Control (APC)</b> <b>Cinch Connector</b> <b>Focusable</b> <b>Power Supply + Holder available</b></p>			
CW850-005, 850 nm, <5 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm	NEW	26,20	31,07
CW850-010, 850 nm, 10 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm	NEW	31,40	37,24
CW850-020, 850 nm, 20 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm	NEW	44,00	52,18
APCD 01 series   INFRARED   850 nm	Status	EUR / pc	USD / pc
 <p><b>Compact Size Ø 4.0 mm x 9.1 mm Brass Body</b></p> <p>  APC Driver integrated   Fixfocus Acryl Lens   3 VDC Supply Voltage</p>			
APCD-850-01-C2, 850 nm, <1 mW, lop <40 mA, fixfocus, Ø4.0 x 9.1 mm		39,90	47,32
APCD-850-01-C3, 850 nm, <3 mW, lop <40 mA, fixfocus, Ø4.0 x 9.1 mm		39,90	47,32
APCD 06 series   INFRARED   850 nm	Status	EUR / pc	USD / pc
 <p><b>Compact Size Ø 6.5 mm x 9.0 mm Aryl Body</b></p> <p>  APC Driver integrated   Fixfocus Embedded Lens   3 VDC Supply Voltage</p> <p><b>850 nm</b></p>			
APCD-850-06-C2, 850 nm, <1 mW, lop <40 mA, fixfocus, Ø6.5 x 9.0 mm		26,10	30,95
APCD-850-06-C3, 850 nm, <3 mW, lop <40 mA, fixfocus, Ø6.5 x 9.0 mm		26,10	30,95
APCD 07 series   INFRARED   850 nm	Status	EUR / pc	USD / pc
 <p><b>ULTRA Compact Size Ø 3.3 mm x 8.0 mm Brass Body</b></p> <p>  APC Driver integrated   Fixfocus Acryl Lens   3 VDC Supply Voltage</p> <p><b>850 nm</b></p>			
APCD-850-07-C2, 850 nm, <1 mW, lop <40 mA, fixfocus, Ø3.3 x 8.0 mm		19,80	23,48
APCD-850-07-C3, 850 nm, <3 mW, lop <40 mA, fixfocus, Ø3.3 x 8.0 mm		19,80	23,48
LDM850/3LJ   INFRARED   850 nm	Status	EUR / pc	USD / pc
 <p>LJ series laser diode module complete and ready to use, focusable single element aspheric acrylic collimator optic, diverse wavelengths available</p> <p><b>850 nm</b></p>			
LDM850/3LJ, 850 nm, 3 mW, focusable, 3-6 V, Ø12 x 30.5 mm		39,28	46,58
LDM850/5LT   INFRARED   850 nm	Status	EUR / pc	USD / pc
 <p><b>Automatic Power Control (APC)</b> <b>Focusable 3 Element Glass Lens</b> <b>Excellent Beam Quality</b> <b>Modulation Option available</b></p> <p><b>850 nm</b></p>			
LDM850/5LT, 850 nm, 5 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm		39,90	47,32
RLDC850-2-3-LI   INFRARED   850 nm	Status	EUR / pc	USD / pc
 <p><b>very small size 8 x 27.5 mm</b> - focusable glass collimator - power supply 3 VDC</p> <p><b>850 nm</b></p>			
RLDC850-2-3, 850 nm, typ. 2 mW, focusable, 3 VDC, Ø8 x 27.5 mm, connector		30,00	35,58

RLD series   INFRARED   850 nm	Status	EUR / pc	USD / pc
 <p>infrared laser diode module series focusable glass lens - up to 4000 mW</p> <p><b>850 nm</b></p>			
DT850-30-3, 850 nm, 30 mW, focusable, 3 VDC, Ø12 x 34.5 mm		109,60	129,98
RLDH850-40-3, 850 nm, 40 mW, APC, focusable, 3 VDC, Ø22 x 65 mm		96,00	113,85
<b>Modulable</b>			
RLDH850M-40-5, 850 nm, 40 mW, APC, TTL <10 kHz, focusable, 5 VDC, Ø22 x 65 mm		108,00	128,08


## LASER MODULES - 880 nm

CW series   INFRARED   880 nm	Status	EUR / pc	USD / pc
 <p>Diode laser modules</p> <p><b>Automatic Power Control (APC)</b> <b>Cinch Connector</b> <b>Focusable</b> <b>Power Supply + Holder available</b></p>			
CW880-005, 880 nm, <5 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm	<b>NEW</b>	49,60	58,82
<b>LM-10 series   INFRARED   880 nm</b>	<b>Status</b>	<b>EUR / pc</b>	<b>USD / pc</b>
 <p>low cost, infrared laser diode module, focusable, output power typ. &lt; 3 mW up to &lt; 26 mW</p> <p><b>880 nm</b></p>			
LM-104-E002, 880 nm, <3 mW, focusable, 3.0 VDC, Ø9.8 x 26 mm		44,90	53,25
LM-104-E130, 880 nm, <6 mW, focusable, 3.0 VDC, Ø9.8 x 26 mm		44,90	53,25






## LASER MODULES - 905 nm

CW series   INFRARED   905 nm	Status	EUR / pc	USD / pc
 <p>Diode laser modules</p> <p><b>Automatic Power Control (APC)</b> <b>Cinch Connector</b> <b>Focusable</b> <b>Power Supply + Holder available</b></p>			
CW905-005, 905 nm, <5 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm	<b>NEW</b>	98,60	116,94
CW905-010, 905 nm, 10 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm	<b>NEW</b>	111,40	132,12
CW905-050, 905 nm, 50 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm	<b>NEW</b>	137,10	162,59


## LASER MODULES - 940 nm


CW series   INFRARED   940 nm	Status	EUR / pc	USD / pc
 <p>Diode laser modules</p> <p><b>Automatic Power Control (APC)</b> <b>Cinch Connector</b> <b>Focusable</b> <b>Power Supply + Holder available</b></p>			
CW940-005, 940 nm, <5 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm	<b>NEW</b>	83,20	98,67
CW940-010, 940 nm, 10 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm	<b>NEW</b>	93,90	111,36
CW940-030, 940 nm, 30 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm	<b>NEW</b>	108,60	128,80


# LASER MODULES - 980 nm

CW series   INFRARED   980 nm	Status	EUR / pc	USD / pc
 <p>Diode laser modules</p> <p><b>Automatic Power Control (APC)</b> <b>Cinch Connector</b> <b>Focusable</b> <b>Power Supply + Holder available</b></p>			
CW980-005, 980 nm, <5 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm	NEW	23,80	28,23
CW980-010, 980 nm, 10 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm	NEW	28,60	33,92
CW980-050, 980 nm, 50 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm	NEW	34,30	40,68
CW980-100, 980 nm, 100 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm	NEW	46,70	55,38
RLD series   INFRARED   980 nm	Status	EUR / pc	USD / pc
 <p>infrared laser diode module series focusable glass lens - up to 200 mW</p> <p><b>980 nm</b></p>			
RLDH980-70-3, 980 nm, 70 mW, focusable, 3 VDC, Ø22 x 65 mm		58,00	68,79
RLDB980-120-3, 980 nm, 120 mW, focusable, 3 VDC, with connector, Ø22 x 65 mm		62,00	73,53
RLDB980-120-3-LI, 980 nm, 120 mW, focusable, 3 VDC, wires only, Ø22 x 65 mm		62,00	73,53
RLDH980-120-3, 980 nm, 120 mW, focusable, 3 VDC, Ø22 x 65 mm		62,00	73,53
RLDH980-160-3, 980 nm, 160 mW, focusable, 3 VDC, Ø22 x 65 mm		66,00	78,27
RLDH980-200-3, 980 nm, 200 mW, focusable, 3 VDC, Ø22 x 65 mm		68,00	80,65
C2021 series   INFRARED   980 nm	Status	EUR / pc	USD / pc
 <p>infrared laser diode module series for general purposes</p> <p><b>980 nm</b></p>			
C2021-B1, 980 nm, 10..20 mW, focusable, 3 VDC, wires only, Ø10.5 x 20 mm		54,54	64,68
C2021-C1, 980 nm, 20..35 mW, focusable, 3 VDC, wires only, Ø10.5 x 20 mm		66,66	79,06
LDM980/25LT   INFRARED   980 nm	Status	EUR / pc	USD / pc
 <p><b>Automatic Power Control (APC)</b> <b>Focusable 3 Element Glass Lens</b> <b>Excellent Beam Quality</b> <b>Modulation Option available</b></p> <p><b>980 nm</b></p>			
LDM980/25LT, 980 nm, 25 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm		51,90	61,55
LM-106-G130   INFRARED   980 nm	Status	EUR / pc	USD / pc
 <p>low cost, infrared laser diode module, focusable</p> <p><b>980 nm</b></p>			
LM-106-G130, 980 nm, <26 mW, focusable, 3.0 VDC, Ø9.8 x 26 mm		19,90	23,60


# LASER MODULES - 1064 nm

CW series   INFRARED   1064 nm	Status	EUR / pc	USD / pc
 <p>INFRARED Diode pumped solid state (DPSS) laser modules</p> <p><b>Automatic Power Control (APC)</b> <b>Power Supply + Holder available</b></p> <p><b>1064 nm</b></p>			
CW1064-01, 1064 nm, <1 mW, cw, APC, 0.8 mrad 3.0 VDC, Ø12 x 31 (49) mm		124,90	148,13
CW1064-05, 1064 nm, <5 mW, cw, APC, 0.8 mrad 3.0 VDC, Ø12 x 31 (49) mm		124,90	148,13


CW1064H series   INFRARED   1064 nm	Status	EUR / pc	USD / pc
 <p>INFRARED DPSS laser modules</p> <p><b>Automatic Power Control (APC)</b>  <b>3 VDC</b>  <b>Heat Sink recommended</b>  <b>TTL modulation available</b></p> <p>1064 nm</p>			
CW1064H-100, 1064 nm, 100 mW, 1.5 mrad, cw, Ø26 x 100 mm, 3.0 VDC		379,00	449,48
CW1064H-300, 1064 nm, 300 mW, 1.5 mrad, cw, Ø26 x 100 mm, 3.0 VDC		482,00	571,63
CW1064H-500, 1064 nm, 500 mW, 1.5 mrad, cw, Ø26 x 100 mm, 3.0 VDC		608,00	721,06
<b>Heat Sink</b>			
CWH-HSTEC5, Heat sink for CW-H series, TEC control, 100x62x76mm, 5VDC		152,00	180,27

PIL-VI series   INFRARED   1064 nm	Status	EUR / pc	USD / pc
 <p>solid state cw infrared laser modules, 5 VDC  separate driver unit</p> <p><b>cooling neccessary!</b>  <b>--&gt; heat sink available</b></p>			
PIL-VI-1064-1, DPSS, 1064 nm, 1 mW, cw, 5 VDC, Ø12 x 40 mm		271,43	321,90
PIL-VI-1064-3, DPSS, 1064 nm, 3 mW, cw, 5 VDC, Ø12 x 40 mm		314,29	372,73
PIL-VI-1064-5, DPSS, 1064 nm, 5 mW, cw, 5 VDC, Ø12 x 40 mm		314,29	372,73
PIL-VI-1064-10, DPSS, 1064 nm, 10 mW, cw, 5 VDC, Ø12 x 40 mm		342,86	406,62
PIL-VI-1064-20, DPSS, 1064 nm, 20 mW, cw, 5 VDC, Ø12 x 40 mm		371,43	440,50
PIL-VI-1064-50, DPSS, 1064 nm, 50 mW, cw, 5 VDC, Ø12 x 40 mm		616,00	730,55
PIL-VI-1064-100, DPSS, 1064 nm, 100 mW, cw, 5 VDC, Ø12 x 40 mm		471,43	559,10
PIL-VI-1064-200, DPSS, 1064 nm, 200 mW, cw, 5 VDC, Ø12 x 40 mm		523,81	621,22
PIL-VI-1064-300, DPSS, 1064 nm, 300 mW, cw, 5 VDC, Ø12 x 40 mm		482,00	571,63


## LASER MODULES - 1083 nm

CW series   INFRARED   1083 nm	Status	EUR / pc	USD / pc
 <p>INFRARED Diode pumped solid state (DPSS) laser modules</p> <p><b>Automatic Power Control (APC)</b>  <b>Power Supply + Holder available</b></p> <p>1083 nm</p>			
CW1083-01, 1083 nm, <1 mW, cw, APC, 0.8 mrad, 3.0 VDC, Ø12 x 31 (49) mm		124,90	148,13
CW1083-05, 1083 nm, <5 mW, cw, APC, 0.8 mrad, 3.0 VDC, Ø12 x 31 (49) mm		124,90	148,13

## LASER MODULES - 1310 nm


CW series   INFRARED   1310 nm	Status	EUR / pc	USD / pc
 <p>Diode laser modules</p> <p><b>Automatic Power Control (APC)</b>  <b>Cinch Connector</b>  <b>Focusable</b>  <b>Power Supply + Holder available</b></p>			
CW1310-005, 1310 nm, <5 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm	<b>NEW</b>	77,10	91,44
CW1310-010, 1310 nm, 10 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm	<b>NEW</b>	84,70	100,45

## LASER MODULES - 1550 nm

CW series   INFRARED   1550 nm	Status	EUR / pc	USD / pc
 <p>Diode laser modules</p> <p><b>Automatic Power Control (APC)</b>  <b>Cinch Connector</b>  <b>Focusable</b>  <b>Power Supply + Holder available</b></p>			
CW1550-005, 1550 nm, <5 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm	<b>NEW</b>	77,10	91,44
CW1550-010, 1550 nm, 10 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm	<b>NEW</b>	84,70	100,45

# LASER MODULES - PC CONTROLLED







RLLM series   405 - 845 nm	Status	EUR / pc	USD / pc
 <p>PC controlled laser modules, USB 2.0, incl. software</p> <ul style="list-style-type: none"> <li>- CW mode and modulation (up to 50 kHz)</li> <li>- optional: detachable line generator (10 up to 90 °)</li> </ul> <p><b>405 - 845 nm</b></p>			
<b>405 nm</b>			
RLLM-405PC-1, 405 nm, 1 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm		516,60	612,67
RLLM-405PC-5, 405 nm, 5 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm		534,00	633,30
RLLM-405PC-10, 405 nm, 10 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm		582,30	690,58
RLLM-405PC-30, 405 nm, 30 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm		645,80	765,89
RLLM-405PC-50, 405 nm, 50 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm		774,90	919,00
RLLM-405PC-80, 405 nm, 80 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm		904,05	1.072,17
<b>445 nm</b>			
RLLM-445PC-1, 445 nm, 1 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm		516,60	612,67
RLLM-445PC-5, 445 nm, 5 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm		534,00	633,30
RLLM-445PC-10, 445 nm, 10 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm		582,30	690,58
RLLM-445PC-30, 445 nm, 30 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm		645,80	765,89
RLLM-445PC-50, 445 nm, 50 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm		774,90	919,00

<b>447 nm</b>		
RLLM-447PC-1, 447 nm, 1 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	516,60	612,67
RLLM-447PC-5, 447 nm, 5 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	534,00	633,30
RLLM-447PC-10, 447 nm, 10 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	582,30	690,58
RLLM-447PC-30, 447 nm, 30 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	645,80	765,89
RLLM-447PC-50, 447 nm, 50 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	774,90	919,00
RLLM-447PC-80, 447 nm, 80 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	904,10	1.072,22
<b>450 nm</b>		
RLLM-450PC-1, 450 nm, 1 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	516,60	612,67
RLLM-450PC-5, 450 nm, 5 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	534,00	633,30
RLLM-450PC-10, 450 nm, 10 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	582,30	690,58
RLLM-450PC-30, 450 nm, 30 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	645,80	765,89
RLLM-450PC-50, 450 nm, 50 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	774,90	919,00
RLLM-450PC-80, 450 nm, 80 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	904,10	1.072,22
<b>520 nm</b>		
RLLM-520PC-1, 520 nm, 1 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	516,60	612,67
RLLM-520PC-5, 520 nm, 5 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	683,20	810,25
RLLM-520PC-10, 520 nm, 10 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	721,00	855,08
RLLM-520PC-20, 520 nm, 20 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	774,90	919,00
RLLM-520PC-50, 520 nm, 50 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	904,05	1.072,17
<b>635 nm</b>		
RLLM-635PC-1, 635 nm, 1 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	387,50	459,56
RLLM-635PC-5, 635 nm, 5 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	392,20	465,13
RLLM-635PC-10, 635 nm, 10 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	516,60	612,67
RLLM-635PC-20, 635 nm, 20 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	578,30	685,84
<b>637 nm</b>		
RLLM-637PC-1, 637 nm, 1 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	387,50	459,56
RLLM-637PC-5, 637 nm, 5 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	392,20	465,13
RLLM-637PC-10, 637 nm, 10 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	425,60	504,74
RLLM-637PC-20, 637 nm, 20 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	516,60	612,67
RLLM-637PC-50, 637 nm, 50 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	774,90	919,00
<b>640 nm</b>		
RLLM-640PC-1, 640 nm, 1 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	387,50	459,56
RLLM-640PC-5, 640 nm, 5 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	392,20	465,13
RLLM-640PC-10, 640 nm, 10 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	425,60	504,74
RLLM-640PC-20, 640 nm, 20 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	516,60	612,67
RLLM-640PC-50, 640 nm, 50 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	774,90	919,00
<b>685 nm</b>		
RLLM-685PC-1, 685 nm, 1 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	645,75	765,83
RLLM-685PC-5, 685 nm, 5 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	774,90	919,00
RLLM-685PC-10, 685 nm, 10 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	802,80	952,09
RLLM-685PC-20, 685 nm, 20 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	904,05	1.072,17
RLLM-685PC-50, 685 nm, 50 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	1.162,35	1.378,50
<b>845 nm</b>		
RLLM-845PC-1, 845 nm, 1 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	645,75	765,83
RLLM-845PC-5, 845 nm, 5 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	802,80	952,09
RLLM-845PC-10, 845 nm, 10 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	862,00	1.022,30
RLLM-845PC-20, 845 nm, 20 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	904,10	1.072,22
RLLM-845PC-50, 845 nm, 50 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	1.162,40	1.378,56
<b>Powell line generator lens attachment</b>		
RLLM-PL10, detachable Powell Lens, 10°	179,00	212,29
RLLM-PL15, detachable Powell Lens, 15°	179,00	212,29
RLLM-PL30, detachable Powell Lens, 30°	179,00	212,29
RLLM-PL45, detachable Powell Lens, 45°	179,00	212,29
RLLM-PL50, detachable Powell Lens, 50°	179,00	212,29
RLLM-PL60, detachable Powell Lens, 60°	179,00	212,29
RLLM-PL75, detachable Powell Lens, 75°	179,00	212,29
RLLM-PL90, detachable Powell Lens, 90°	179,00	212,29

## ACCESSORIES FOR LASER MODULES



SQ50x34 Heat Sink	Status	EUR / pc	USD / pc
 <p>Heat sink for laser modules suitable for all Ø12 mm laser modules, like CW405, C450 or CW532 series Dimensions: 50 x 50 x 34 mm</p>			
SQ50X34, heat sink for CW Ø 12mm series, black aluminium, 114 g, 50 x 50 x 34 mm		18,90	22,41
SQFAN12, Fan for heat sink SQ50x34, 12VDC, 0.7W, 40x40x10.5mm		9,70	11,50

RLM Laser Module Holder		Status	EUR / pc	USD / pc
	Height, reach, and tilt adjustable laser module holder with full 360° turnable fixture suitable for laser modules up to 16.5 mm in diameter			
RLM-1250, Laser Module Holder, Ø <12.5 mm, 69 x 67 mm, 152 g			37,90	44,95
RLM-1650, Laser Module Holder, Ø <16.5 mm, 69 x 67 mm, 152 g			37,90	44,95
LPS Power Supplies		Status	EUR / pc	USD / pc
	100-240 VAC universal power supplies for 3 VDC and 5 VDC laser modules with 0.5 m supply line  - CE marking - AC Europlug (CEE 7/16) - IEC 60130-10 Type A connector			
LPS31C, Laser Power Supply, Input 100-240 VAC, Output 3.0 VDC, max. 1 A, 30x80x75 mm, 80g			19,90	23,60
LPS51C, Laser Power Supply, Input 100-240 VAC, Output 5.0 VDC, max. 1 A, 30x80x75 mm, 80g			19,90	23,60
	110-230 VAC universal power supplies for 3 VDC and 5 VDC laser modules with 1 m supply line and ON / OFF switch  - Small ripple (<80 mV) - AC Europlug (CEE 7/16) - IEC 60130-10 Type A connector			
LPS51, Laser Power Supply, Input 110-230 VAC, Output 5.0 VDC, max. 1 A, 33x62x105 mm			29,90	35,46

## LASER SYSTEMS UV - 261 nm



### Diode Pumped Solid State Laser Systems

| 90-240 VAC power supply included  
| CW and pulsed systems available  
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

RLTUVL-261 series   DPSS   CW	Status	EUR / pc	USD / pc
RLTUVL-261-1-10, 261 nm, 1 mW, cw, <10%, stability, PSU-FDA		o.r	o.r
RLTUVL-261-3-10, 261 nm, 2 mW, cw, <10%, stability, PSU-FDA		o.r	o.r
RLTUVL-261-5-10, 261 nm, 5 mW, cw, <10%, stability, PSU-FDA		o.r	o.r
RLTUVL-261-10-10, 261 nm, 10 mW, cw, <10%, stability, PSU-LED		o.r	o.r

## LASER SYSTEMS UV - 266 nm



### Diode Pumped Solid State Laser Systems

| 90-240 VAC power supply included  
| CW and pulsed systems available  
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

RLTMPL-266 series   DPSS   PASSIVELY Q-SWITCHED	Status	EUR / pc	USD / pc
RLTMPL-266-5-5, 266 nm, 5 mW, / 1 µJ, ~10 ns pulse, PSU-FDA		o.r	o.r
RLTMPL-266-10-5, 266 nm, 10 mW, / 2 µJ, ~10 ns pulse, PSU-FDA		o.r	o.r
RLTMPL-266-30-5, 266 nm, 30 mW, / 3 µJ, ~10 ns pulse, PSU-FDA		o.r	o.r
RLTMPL-266-50-5, 266 nm, 50 mW, / 5 µJ, ~10 ns pulse, PSU-FDA		o.r	o.r
RLTMPL-266-100-5, 266 nm, 100 mW, / 10 µJ, ~10 ns pulse, PSU-FDA		o.r	o.r
RLTMPL-266-200-5, 266 nm, 200 mW, / 10 µJ, ~10 ns pulse, PSU-FDA		o.r	o.r
RLTMPL-266-400-5, 266 nm, 400 mW, / 20 µJ, ~10 ns pulse, PSU-FDA		o.r	o.r
RLTMPL-266-600-5, 266 nm, 600 mW, / 30 µJ, ~10 ns pulse, PSU-FDA		o.r	o.r
RLTAOL-266 series   DPSS   AOM Q-SWITCHED	Status	EUR / pc	USD / pc
RLTAOL-266-10-10, 266 nm, 10 mW, @ 10 kHz, 3 µJ, 10-15 ns pulse, <10%, stability, PSU-FDA		o.r	o.r
RLTAOL-266-30-10, 266 nm, 30 mW, @ 10 kHz, 3 µJ, 10-15 ns pulse, <10%, stability, PSU-FDA		o.r	o.r
RLTAOL-266-50-10, 266 nm, 50 mW, @ 10 kHz, 5 µJ, 10-15 ns pulse, <10%, stability, PSU-FDA		o.r	o.r
RLTAOL-266-100-10, 266 nm, 100 mW, @ 10 kHz, 10 µJ, 10-15 ns pulse, <10%, stability, PSU-FDA		o.r	o.r
RLTAOL-266-200-10, 266 nm, 200 mW, @ 10 kHz, 20 µJ, 10-15 ns pulse, <10%, stability, PSU-FDA		o.r	o.r

# LASER SYSTEMS UV - 303 nm



## Diode Pumped Solid State Laser Systems

- | 90-240 VAC power supply included
- | CW operation
- | **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

RLTUVL-303 series   DPSS   CW	Status	EUR / pc	USD / pc
RLTUVL-303-1-10, 303 nm, 1 mW, cw, <10%, stability, PSU-FDA		o.r	o.r
RLTUVL-303-3-10, 303 nm, 3 mW, cw, <10%, stability, PSU-FDA		o.r	o.r
RLTUVL-303-5-10, 303 nm, 5 mW, cw, <10%, stability, PSU-FDA		o.r	o.r
RLTUVL-303-10-10, 303 nm, 10 mW, cw, <10%, stability, PSU-FDA		o.r	o.r
RLTUVL-303-15-10, 303 nm, 15 mW, cw, <10%, stability, PSU-FDA		o.r	o.r
RLTUVL-303-20-10, 303 nm, 20 mW, cw, <10%, stability, PSU-FDA		o.r	o.r

# LASER SYSTEMS UV - 320 nm



## Diode Pumped Solid State Laser Systems

- | 90-240 VAC power supply included
- | CW and pulsed systems available
- | **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

RLTUVL-320 series   DPSS   CW	Status	EUR / pc	USD / pc
RLTUVL-320-3-10, 320 nm, 3 mW, cw, <10%, stability, laser head 209x88x74 mm, PSU-FDA		o.r	o.r
RLTUVL-320-5-10, 320 nm, 5 mW, cw, <10%, stability, laser head 209x88x74 mm, PSU-FDA		o.r	o.r
RLTUVL-320-10-10, 320 nm, 10 mW, cw, <10% stability, PSU-LED		o.r	o.r
RLTUVL-320-15-10, 320 nm, 15 mW, cw, <10%, stability, laser head 209x88x74 mm, PSU-FDA		o.r	o.r
RLTUVL-320-20-10, 320 nm, 20 mW, cw, <10%, stability, laser head 209x88x74 mm, PSU-FDA		o.r	o.r
RLTUVL-320-30-10, 320 nm, 30 mW, cw, <10%, stability, laser head 209x88x74 mm, PSU-FDA		o.r	o.r

# LASER SYSTEMS UV - 349 nm



## Diode Pumped Solid State Laser Systems

- | 90-240 VAC power supply included
- | CW and pulsed systems available
- | **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

RLTUVL-349 series   DPSS   CW	Status	EUR / pc	USD / pc
RLTUVL-349-3-10, 349 nm, 3 mW, cw, <10%, stability, laser head 211x88x74 mm, PSU-FDA		o.r	o.r
RLTUVL-349-5-10, 349 nm, 5 mW, cw, <10%, stability, laser head 211x88x74 mm, PSU-FDA		o.r	o.r
RLTUVL-349-10-10, 349 nm, 10 mW, cw, <10%, stability, laser head 211x88x74 mm, PSU-FDA		o.r	o.r
RLTUVL-349-15-10, 349 nm, 15 mW, cw, <10%, stability, laser head 211x88x74 mm, PSU-FDA		o.r	o.r
RLTUVL-349-20-10, 349 nm, 20 mW, cw, <10%, stability, laser head 211x88x74 mm, PSU-FDA		o.r	o.r
RLTUVL-349-30-10, 349 nm, 30 mW, cw, <10%, stability, laser head 211x88x74 mm, PSU-FDA		o.r	o.r
RLTMPL-349 series   DPSS   PASSIVELY Q-SWITCHED	Status	EUR / pc	USD / pc
RLTMPL-349-5-10, 349 nm, 5 mW, , 2-3 kHz, ~4ns pulse, <10%, stability, PSU-FDA		o.r	o.r
RLTMPL-349-10-10, 349 nm, 10 mW, , 2-3 kHz, ~4ns pulse, <10%, stability, PSU-FDA		o.r	o.r
RLTMPL-349-20-10, 349 nm, 20 mW, , 2-3 kHz, ~4ns pulse, <10%, stability, PSU-FDA		o.r	o.r
RLTMPL-349-30-10, 349 nm, 30 mW, , 2-3 kHz, ~4ns pulse, <10%, stability, PSU-FDA		o.r	o.r

# LASER SYSTEMS UV - 351 nm



## Diode Pumped Solid State Laser Systems

- | 90-240 VAC power supply included
- | Pulsed operation
- | **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

RLTMPL-351 series   DPSS   PASSIVELY Q-SWITCHED	Status	EUR / pc	USD / pc
RLTMPL-351-1-10, 351 nm, 1 mW, , 2-3 kHz, ~4ns pulse, <10%, stability, PSU-FDA		o.r	o.r
RLTMPL-351-5-10, 351 nm, 5 mW, , 2-3 kHz, ~4ns pulse, <10%, stability, PSU-FDA		o.r	o.r
RLTMPL-351-10-10, 351 nm, 10 mW, , 2-3 kHz, ~4ns pulse, <10%, stability, PSU-FDA		o.r	o.r
RLTMPL-351-20-10, 351 nm, 20 mW, , 2-3 kHz, ~4ns pulse, <10%, stability, PSU-FDA		o.r	o.r

# LASER SYSTEMS UV - 355 nm



## Diode Pumped Solid State Laser Systems

- | 90-240 VAC power supply included
- | CW and pulsed systems available
- | **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

RLTUVL-355 series   DPSS   CW	Status	EUR / pc	USD / pc
RLTUVL-355-1-10, 355 nm, 1 mW, cw, <10%, stability, PSU-FDA		o.r	o.r
RLTUVL-355-5-10, 355 nm, 5 mW, cw, <10%, stability, PSU-FDA		o.r	o.r
RLTUVL-355-10-10, 355 nm, 10 mW, cw, <10%, stability, PSU-FDA		o.r	o.r
RLTUVL-355-15-10, 355 nm, 15 mW, cw, <10%, stability, PSU-LED		o.r	o.r
RLTMPL-355 series   DPSS   PASSIVELY Q-SWITCHED	Status	EUR / pc	USD / pc
RLTMPL-355-10-5, 355 nm, 10 mW, / 1 µJ, ~5 ns pulse, <5%, stability, PSU-FDA		o.r	o.r
RLTMPL-355-30-5, 355 nm, 30 mW, / 4 µJ, ~5 ns pulse, <5%, stability, PSU-FDA		o.r	o.r
RLTMPL-355-50-5, 355 nm, 50 mW, / 5 µJ, ~5 ns pulse, <5%, stability, PSU-FDA		o.r	o.r
RLTMPL-355-100-5, 355 nm, 100 mW, 10 µJ, ~5 ns pulse, <5% stability, PSU-FDA		o.r	o.r
RLTMPL-355-200-5, 355 nm, 200 mW, / 15 µJ, ~7 ns pulse, <5%, stability, PSU-FDA		o.r	o.r
RLTMPL-355-300-5, 355 nm, 200 mW, / 30 µJ, ~7 ns pulse, <5%, stability, PSU-FDA		o.r	o.r
RLTMPL-355-500-5, 355 nm, 500 mW, / 50 µJ, ~7 ns pulse, <5%, stability, PSU-FDA		o.r	o.r
RLTAOM-355 series   DPSS   AOM Q-SWITCHED	Status	EUR / pc	USD / pc
RLTAOM-355-10-5, 355 nm, 10 mW, @ 1 kHz, 10 µJ, 5-10 ns pulse, <5%, stability, PSU-AOM		o.r	o.r
RLTAOM-355-20-5, 355 nm, 20 mW, @ 1 kHz, 30 µJ, 5-10ns pulse, <5%, stability, PSU-AOM		o.r	o.r
RLTAOM-355-40-5, 355 nm, 40 mW, @ 1 kHz, 40 µJ, 5-10 ns pulse, <5%, stability, PSU-AOM		o.r	o.r
RLTAOM-355-1W-5, 355 nm, 1 W @ 20 kHz, 50 µJ, ~15 ns pulse, <5%, stability, PSU-AOM		o.r	o.r
RLTAOM-355-2W-5, 355 nm, 2 W, @ 20 kHz, 100 µJ, ~15 ns pulse, <5%, stability, PSU-AOM		o.r	o.r
RLTAOM-355-3W-5, 355 nm, 3 W, @ 20 kHz, 150 µJ, ~15 ns pulse, <5%, stability, PSU-AOM		o.r	o.r

# LASER SYSTEMS UV - 360 nm



## Diode Pumped Solid State Laser Systems

- | 90-240 VAC power supply included
- | CW and pulsed systems available
- | **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

RLTUVL-360 series   DPSS   CW	Status	EUR / pc	USD / pc
RLTUVL-360-10-3, 360 nm, 10 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTUVL-360-30-3, 360 nm, 30 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTUVL-360-50-3, 360 nm, 50 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTUVL-360-100-3, 360 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTUVL-360-150-3, 360 nm, 150 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTUVL-360-200-3, 360 nm, 200 mW, cw, stability <3%, PSU-FDA		o.r	o.r

# LASER SYSTEMS UV - 375 nm



## Diode Laser Systems

- | 90-240 VAC power supply included
- | CW and pulsed systems available
- | **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

RLTUVL-375 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTUVL-375-30-3, 375 nm, 30 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTUVL-375-50-3, 375 nm, 50 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTUVL-375-100-3, 375 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTUVL-375-150-3, 375 nm, 150 mW, cw, stability <3%, PSU-FDA		o.r	o.r

# LASER SYSTEMS UV - 395 / 397 nm



## Diode Laser Systems

- | 90-240 VAC power supply included
- | CW operation
- | **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

RLTUVL-395 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTUVL-395-20-3, 395 nm, 20 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTUVL-395-50-3, 395 nm, 50 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTUVL-395-80-3, 395 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTUVL-395-100-3, 395 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTUVL-397 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTUVL-397-20-3, 397 nm, 20 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTUVL-397-50-3, 397 nm, 50 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTUVL-397-80-3, 397 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTUVL-397-100-3, 397 nm, 150 mW, cw, stability <3%, PSU-FDA		o.r	o.r

# LASER SYSTEMS VIOLET - 400 nm



## Diode Laser Systems

- | 90-240 VAC power supply included
- | CW operation
- | **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

RLTMDL-400 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-400-50-3, 400 nm, 50 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-400-100-3, 400 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-400-200-3, 400 nm, 200 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-400-300-3, 400 nm, 300 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-400-500-3, 400 nm, 500 mW, cw, stability <3%, PSU-FDA		o.r	o.r

# LASER SYSTEMS VIOLET - 405 nm



## Diode Laser Systems

- | 90-240 VAC power supply included
- | CW operation
- | **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

## 405 nm

RLTMDL-405 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-405-10-3, 405 nm, 10 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-405-50-3, 405 nm, 50 mW, cw, stability <3%, PSU-LED		o.r	o.r
RLTMDL-405-100-3, 405 nm, 100 mW, cw, stability <3%, PSU-LED		o.r	o.r
RLTMDL-405-200-3, 405 nm, 200 mW, cw, stability <3%, PSU-LED		o.r	o.r
RLTMDL-405-300-3, 405 nm, 300 mW, cw, stability <3%, PSU-LED		o.r	o.r
RLTMDL-405-400-3, 405 nm, 400 mW, cw, stability <3%, PSU-LED		o.r	o.r
RLTMDL-405-500-3, 405 nm, 500 mW, cw, stability <3%, PSU-LED		o.r	o.r
RLTMLL-405 series   DIODE   CW   LOW NOISE	Status	EUR / pc	USD / pc
RLTMLL-405-10-3, 405 nm, 10 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMLL-405-50-3, 405 nm, 50 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMLL-405-100-3, 405 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMLL-405-200-3, 405 nm, 200 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMLL-405-300-3, 405 nm, 300 mW, cw, stability <3%, PSU-LED		o.r	o.r
RLTMLL-405-400-3, 405 nm, 400 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMLL-405-500-3, 405 nm, 500 mW, cw, stability <3%, PSU-FDA		o.r	o.r

# LASER SYSTEMS VIOLET - 410 / 415 nm



## Diode Laser Systems

| 90-240 VAC power supply included  
 | CW operation  
 | **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

RLTMDL-410 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-410-50-3, 410 nm, 50 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-410-100-3, 410 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-410-200-3, 410 nm, 200 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-410-300-3, 410 nm, 300 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-410-500-3, 410 nm, 500 mW, cw, stability <3%, PSU-FDA		o.r	o.r

RLTMDL-415 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-415-50-3, 415 nm, 50 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-415-100-3, 415 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-415-200-3, 415 nm, 200 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-415-300-3, 415 nm, 300 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-415-500-3, 415 nm, 300 mW, cw, stability <3%, PSU-FDA		o.r	o.r

# LASER SYSTEMS BLUE - 442 nm



## Diode Laser Systems

| 90-240 VAC power supply included  
 | CW operation  
 | **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

RLTMDL-442 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-442-10-3, 442 nm, 10 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-442-30-3, 442 nm, 30 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-442-50-3, 442 nm, 50 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-442-80-3, 442 nm, 80 mW, cw, stability <3%, PSU-FDA		o.r	o.r

RLTMLL-442 series   DIODE   CW   LOW NOISE	Status	EUR / pc	USD / pc
RLTMLL-442-10-3, 442 nm, 10 mW, cw, stability <3%, laser head 141x46x73 mm		o.r	o.r
RLTMLL-442-30-3, 442 nm, 30 mW, cw, stability <3%, laser head 141x46x73 mm		o.r	o.r
RLTMLL-442-50-3, 442 nm, 50 mW, cw, stability <3%, laser head 141x46x73 mm		o.r	o.r

# LASER SYSTEMS BLUE - 445/447/450 nm



## Diode Laser Systems

| 90-240 VAC power supply included  
 | CW operation  
 | **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

### 445/447/450 nm

RLTMDL-445 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-445L-10-3, 445 nm, 10 mW, cw, stability <3%, near TEM00, PSU-FDA		o.r	o.r
RLTMDL-445L-20-3, 445 nm, 20 mW, cw, stability <3%, near TEM00, PSU-FDA		o.r	o.r
RLTMDL-445L-30-3, 445 nm, 30 mW, cw, stability <3%, near TEM00, PSU-FDA		o.r	o.r
RLTMDL-445L-50-3, 445 nm, 50 mW, cw, stability <3%, near TEM00, PSU-FDA		o.r	o.r
RLTMDL-445-50-3, 445 nm, 50 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-445L-80-3, 445 nm, 80 mW, cw, stability <3%, near TEM00, PSU-FDA		o.r	o.r
RLTMDL-445-100-3, 445 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-445-500-3, 445 nm, 500 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-445-1W-3, 445 nm, 1 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-445-1W5-3, 445 nm, 1.5 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-445-2W-3, 445 nm, 2 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-445-3W5-3, 445 nm, 3.5 W, cw, stability <3%, PSU-FDA		o.r	o.r

RLTMDL-447 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-447L-10-3, 447 nm, 10 mW, cw, stability <3%, near TEM00, PSU-FDA		o.r	o.r
RLTMDL-447L-20-3, 447 nm, 20 mW, cw, stability <3%, near TEM00, PSU-FDA		o.r	o.r
RLTMDL-447L-30-3, 447 nm, 30 mW, cw, stability <3%, near TEM00, PSU-FDA		o.r	o.r
RLTMDL-447L-50-3, 447 nm, 50 mW, cw, stability <3%, near TEM00, PSU-FDA		o.r	o.r
RLTMDL-447-50-3, 447 nm, 50 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-447L-80-3, 447 nm, 80 mW, cw, stability <3%, near TEM00, PSU-FDA		o.r	o.r
RLTMDL-447-100-3, 447 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-447-500-3, 447 nm, 500 mW, cw, stability <3%, PSU-LED		o.r	o.r
RLTMDL-447-1W-3, 447 nm, 1 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-447-1W5-3, 447 nm, 1.5 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-447-2W-3, 447 nm, 2 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-447-3W5-3, 447 nm, 3.5 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-450 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-450L-10-3, 450 nm, 10 mW, cw, stability <3%, near TEM00, PSU-FDA		o.r	o.r
RLTMDL-450L-20-3, 450 nm, 20 mW, cw, stability <3%, near TEM00, PSU-FDA		o.r	o.r
RLTMDL-450L-30-3, 450 nm, 30 mW, cw, stability <3%, near TEM00, PSU-FDA		o.r	o.r
RLTMDL-450L-50-3, 450 nm, 50 mW, cw, stability <3%, near TEM00, PSU-FDA		o.r	o.r
RLTMDL-450-50-3, 450 nm, 50 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-450L-80-3, 450 nm, 80 mW, cw, stability <3%, near TEM00, PSU-FDA		o.r	o.r
RLTMDL-450-100-3, 450 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-450-500-3, 450 nm, 500 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-450-1W-3, 450 nm, 1 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-450-1W5-3, 450 nm, 1.5 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-450-2W-3, 450 nm, 2 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-450-3W5-3, 450 nm, 3.5 W, cw, stability <3%, PSU-FDA		o.r	o.r

## LASER SYSTEMS BLUE - 454 nm



### Diode Laser Systems

| 90-240 VAC power supply included  
| CW operation

| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

RLTMDL-454 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-454-50-3, 454 nm, 50 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-454-100-3, 454 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-454-300-3, 454 nm, 300 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-454-500-3, 454 nm, 500 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-454-800-3, 454 nm, 800 mW, cw, stability <3%, PSU-FDA		o.r	o.r

## LASER SYSTEMS BLUE - 457 nm



### Diode Pumped Solid State Laser Systems

| 90-240 VAC power supply included  
| CW and pulsed systems available

| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

**457 nm**

RLTMBL-457 series   DPSS   CW	Status	EUR / pc	USD / pc
RLTMBL-457-10-5, 457 nm, 10 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMBL-457-50-5, 457 nm, 50 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMBL-457-100-5, 457 nm, 100 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMBL-457-300-5, 457 nm, 300 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMBL-457-500-5, 457 nm, 500 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMBL-457-1W-5, 457 nm, 1000 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMBL-457-2W-5, 457 nm, 2000 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMBL-457-3W-5, 457 nm, 3 W, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMBL-457-5W-5, 457 nm, 5 W, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMBL-457-10W-5, 457 nm, 10 W, cw, stability <5%, PSU-FDA		o.r	o.r

RLTMLL-457 series   DPSS   CW   LOW NOISE	Status	EUR / pc	USD / pc
RLTMLL-457-10-3, 457 nm, 10 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMLL-457-50-3, 457 nm, 50 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMLL-457-100-3, 457 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMLL-457-300-3, 457 nm, 300 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMLL-457-500-3, 457 nm, 500 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMLL-457-1W-3, 457 nm, 1000 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMLL-457-2W-3, 457 nm, 2000 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMLL-457-3W-3, 457 nm, 3 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMLL-457-5W-3, 457 nm, 5 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMLL-457-10W-3, 457 nm, 10 W, cw, stability <3%, PSU-FDA		o.r	o.r

## LASER SYSTEMS BLUE - 460/462/465 nm



### Diode Laser Systems

| 90-240 VAC power supply included  
| CW operation

| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

RLTMDL-460 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-460L-30-3, 460 nm, 30 mW, cw, stability <3%, PSU-FDA, near TEM00 beam profile		o.r	o.r
RLTMDL-460L-50-3, 460 nm, 50 mW, cw, stability <3%, PSU-FDA, near TEM00 beam profile		o.r	o.r
RLTMDL-460-50-3, 460 nm, 50 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-460L-80-3, 460 nm, 80 mW, cw, stability <3%, PSU-FDA, near TEM00 beam profile		o.r	o.r
RLTMDL-460-100-3, 460 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-460-300-3, 460 nm, 300 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-460-500-3, 460 nm, 500 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-460-800-3, 460 nm, 800 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-462 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-462-50-3, 462 nm, 50 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-462-100-3, 462 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-462-300-3, 462 nm, 300 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-462-500-3, 462 nm, 500 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-462-1W-3, 462 nm, 1 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-462-2W-3, 462 nm, 2 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-465 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-465-50-3, 465 nm, 50 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-465-100-3, 465 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-465-300-3, 465 nm, 300 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-465-500-3, 465 nm, 500 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-465-1W-3, 465 nm, 1 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-465-2W-3, 465 nm, 2 W, cw, stability <3%, PSU-FDA		o.r	o.r

## LASER SYSTEMS BLUE - 473 nm



### Diode Pumped Solid State Laser Systems

| 90-240 VAC power supply included  
| CW and pulsed systems available

| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

**473 nm**

RLTMBL-473 series   DPSS   CW	Status	EUR / pc	USD / pc
RLTMBL-473-50-3, 473 nm, 50 mW, cw, stability <3%, PSU-LED		o.r	o.r
RLTMBL-473-100-3, 473 nm, 100 mW, cw, stability <3%, PSU-LED		o.r	o.r
RLTMBL-473-200-3, 473 nm, 200 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMBL-473-300-3, 473 nm, 300 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMBL-473-500-3, 473 nm, 500 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMBL-473-800-3, 473 nm, 800 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMBL-473-1W-3, 473 nm, 1 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMBL-473-1.5W-3, 473 nm, 1.5 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMBL-473-2W-3, 473 nm, 2 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMBL-473-3W-3, 473 nm, 3 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMBL-473-5W-3, 473 nm, 5 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMLL-473 series   DPSS   CW   LOW NOISE	Status	EUR / pc	USD / pc
RLTMLL-473-50-3, 473 nm, 50 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMLL-473-100-3, 473 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMLL-473-300-3, 473 nm, 300 mW, cw, stability <3%, PSU-FDA		o.r	o.r



RLTMSL-473 series   DPSS   CW   SINGLE LONGITUDINAL MODE   LOW NOISE	Status	EUR / pc	USD / pc
RLTMSL-473-10-3, 473 nm, 10 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMSL-473-30-3, 473 nm, 30 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMSL-473-50-3, 473 nm, 50 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMSL-473-100-3, 473 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r

## LASER SYSTEMS BLUE - 480 nm



### Diode Pumped Solid State Laser Systems

| 90-240 VAC power supply included  
 | CW operation  
 | Options: Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

**480 nm**

RLTMBL-480 series   DPSS   CW	Status	EUR / pc	USD / pc
RLTMBL-480-10-5, 480 nm, 10 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMBL-480-20-5, 480 nm, 20 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMBL-480-30-5, 480 nm, 30 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMBL-480-50-5, 480 nm, 50 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMBL-480-100-5, 480 nm, 100 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMBL-480-150-5, 480 nm, 150 mW, cw, stability <5%, PSU-FDA		o.r	o.r

## LASER SYSTEMS CYAN - 488 nm



### Diode Laser Systems

| 90-240 VAC power supply included  
 | CW operation  
 | Options: Fiber coupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

**488 nm**

RLTMDL-488 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-488-30-3, 488 nm, 30 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-488-50-3, 488 nm, 50 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-488-100-3, 488 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r

## LASER SYSTEMS CYAN - 491 nm



### Diode Pumped Solid State Laser Systems

| 90-240 VAC power supply included  
 | CW operation  
 | Options: Fiber coupling, modulation, adj. output power, high stability, remote control

**491 nm**

RLTMBL-491 series   DPSS   CW	Status	EUR / pc	USD / pc
RLTMBL-491-1-10, 491 nm, 1 mW, cw, stability <10%, PSU-FDA		o.r	o.r
RLTMBL-491-2-10, 491 nm, 2 mW, cw, stability <10%, PSU-FDA		o.r	o.r

## LASER SYSTEMS CYAN - 505 nm



### Diode Laser Systems

| 90-240 VAC power supply included  
 | CW operation  
 | Options: Fibercoupling, modulation, adj. output power, high stability, low noise, remote control

**505 nm**

RLTMDL-505L series   DIODE   CW   NEAR TEM00	Status	EUR / pc	USD / pc
RLTMDL-505L-10-2, 505 nm, 10 mW, cw, stability <2%, PSU-FDA		o.r	o.r
RLTMDL-505L-30-2, 505 nm, 30 mW, cw, stability <2%, PSU-FDA		o.r	o.r
RLTMDL-505L-50-2, 505 nm, 50 mW, cw, stability <2%, PSU-FDA		o.r	o.r
RLTMDL-505L-80-2, 505 nm, 80 mW, cw, stability <2%, PSU-FDA		o.r	o.r

# LASER SYSTEMS GREEN - 510/514.5 nm



## Diode Laser Systems

- | 90-240 VAC power supply included
- | CW operation
- | **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

**510/514.5 nm**

RLTMDL-510 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-510-10-3, 510 nm, 10 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-510-20-3, 510 nm, 20 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-510-30-3, 510 nm, 30 mW, cw, stability <3%, PSU-FDA		o.r	o.r

RLTMDL-514 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-514-30-3, 514.5 nm, 30 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-514-50-3, 514.5 nm, 50 mW, cw, stability <3%, PSU-FDA		o.r	o.r

# LASER SYSTEMS GREEN - 515 nm



## Diode Pumped Solid State Laser Systems

- | 90-240 VAC power supply included
- | CW operation
- | **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

**515 nm**

RLTMGL-515 series   DPSS   CW	Status	EUR / pc	USD / pc
RLTMGL-515-10-10, 515 nm, 10 mW, cw, stability <10%, PSU-FDA		o.r	o.r
RLTMGL-515-30-10, 515 nm, 30 mW, cw, stability <10%, PSU-FDA		o.r	o.r
RLTMGL-515-50-10, 515 nm, 50 mW, cw, stability <10%, PSU-FDA		o.r	o.r
RLTMGL-515-100-10, 515 nm, 100 mW, cw, stability <10%, PSU-FDA		o.r	o.r
RLTMGL-515-150-5, 515 nm, 150 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMGL-515-200-5, 515 nm, 200 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMGL-515-300-5, 515 nm, 300 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMGL-515-400-5, 515 nm, 400 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMGL-515-500-5, 515 nm, 500 mW, cw, stability <5%, PSU-FDA		o.r	o.r

# LASER SYSTEMS GREEN - 520 nm



## Diode Laser Systems

- | 90-240 VAC power supply included
- | CW operation
- | **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

**510/514.5 nm**

RLTMDL-520 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-520-100-3, 520 nm, 100 mW, cw, stability <3%, PSU-LED		o.r	o.r
RLTMDL-520-300-3, 520 nm, 300 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-520-500-3, 520 nm, 500 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-520-1W-3, 520 nm, 1 W, cw, stability <3%, PSU-FDA		o.r	o.r

# LASER SYSTEMS GREEN - 522 nm



## Diode Pumped Solid State Laser Systems

- | 90-240 VAC power supply included
- | CW operation
- | **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

**522 nm**

RLTMGL-522 series   DPSS   CW	Status	EUR / pc	USD / pc
RLTMGL-522-10-5, 522 nm, 10 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMGL-522-30-5, 522 nm, 30 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMGL-522-50-5, 522 nm, 50 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMGL-522-80-5, 522 nm, 80 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMGL-522-100-5, 522 nm, 100 mW, cw, stability <5%, PSU-FDA		o.r	o.r

# LASER SYSTEMS GREEN - 523.5 nm



## Diode Pumped Solid State Laser Systems

| 90-240 VAC power supply included

| CW operation

| Options: Fiber coupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

**523.5 nm**

RLTMGL-523 series   DPSS   CW	Status	EUR / pc	USD / pc
RLTMGL-523-10-5, 523.5 nm, 10 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMGL-523-30-5, 523.5 nm, 30 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMGL-523-50-5, 523.5 nm, 50 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMGL-523-100-5, 523.5 nm, 100 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMGL-523-300-5, 523.5 nm, 300 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMGL-523-500-5, 523.5 nm, 500 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMGL-523-800-5, 523.5 nm, 800 mW, cw, stability <5%, PSU-FDA		o.r	o.r

# LASER SYSTEMS GREEN - 526 nm



## Diode Pumped Solid State Laser Systems

| 90-240 VAC power supply included

| CW operation

| Options: Fiber coupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

**523.5 nm**

RLTMGL-526 series   DPSS   CW	Status	EUR / pc	USD / pc
RLTMGL-526-10-5, 526.5 nm, 10 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMGL-526-30-5, 526.5 nm, 30 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMGL-526-50-5, 526.5 nm, 50 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMGL-526-100-5, 526.5 nm, 100 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMGL-526-200-5, 526.5 nm, 200 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMGL-526-300-5, 526.5 nm, 300 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMGL-526-500-5, 526.5 nm, 500 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMGL-526-1W-5, 526.5 nm, 1 W, cw, stability <5%, PSU-FDA		o.r	o.r

# LASER SYSTEMS GREEN - 532 nm



## Diode Pumped Solid State Laser Systems

| 90-240 VAC power supply included

| CW and pulsed systems available

| Options: Fiber coupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

**532 nm**

RLTMGL-532 series   DPSS   CW	Status	EUR / pc	USD / pc
RLTMGL-532-100-3, 532 nm, 100 mW, cw, stability <3%, PSU-LED		o.r	o.r
RLTMGL-532-200-3, 532 nm, 200 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMGL-532-300-3, 532 nm, 300 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMGL-532-500-3, 532 nm, 500 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMGL-532-1W-3, 532 nm, 1 W, cw, stability <3%, PSU-LED		o.r	o.r
RLTMGL-532-1.5W-3, 532 nm, 1.5 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMGL-532-2W-3, 532 nm, 2 W, cw, stability <3%, PSU-LED		o.r	o.r
RLTMGL-532-2.5W-3, 532 nm, 2.5 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMGL-532-3W-3, 532 nm, 3 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMGL-532-3W-5, 532 nm, 3 W, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMGL-532-4W-5, 532 nm, 4 W, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMGL-532-5W-5, 532 nm, 5 W, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMGL-532-8W-5, 532 nm, 8 W, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMGL-532-10W-5, 532 nm, 10 W, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMGL-532-15W-5, 532 nm, 15 W, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMGL-532-20W-5, 532 nm, 20 W, cw, stability <5%, PSU-FDA		o.r	o.r

RLTMML-532 series   DPSS   CW   LOW NOISE	Status	EUR / pc	USD / pc
RLTMML-532-100-3, 532 nm, 100 mW, cw, stability <3%, noise <1%, PSU-FDA		0.r	0.r
RLTMML-532-200-3, 532 nm, 200 mW, cw, stability <3%, noise <1%, PSU-LED		0.r	0.r
RLTMML-532-300-3, 532 nm, 300 mW, cw, stability <3%, noise <1%, PSU-FDA		0.r	0.r
RLTMML-532-500-3, 532 nm, 500 mW, cw, stability <3%, noise <1%, PSU-FDA		0.r	0.r
RLTMML-532-1W-3, 532 nm, 1 W, cw, stability <3%, noise <1%, PSU-FDA		0.r	0.r
RLTMML-532-1.5W-3, 532 nm, 1.5 W, cw, stability <3%, noise <1%, PSU-FDA		0.r	0.r
RLTMML-532-2W-3, 532 nm, 2 W, cw, stability <3%, noise <1%, PSU-FDA		0.r	0.r
RLTMML-532-2.5W-3, 532 nm, 2.5 W, cw, stability <3%, noise <1%, PSU-FDA		0.r	0.r
RLTMML-532-3W-5, 532 nm, 3 W, cw, stability <5%, noise <1%, PSU-FDA		0.r	0.r
RLTMML-532-5W-5, 532 nm, 5 W, cw, stability <5%, noise <1%, PSU-FDA		0.r	0.r
RLTMML-532-8W-5, 532 nm, 8 W, cw, stability <5%, noise <1%, PSU-FDA		0.r	0.r
RLTMML-532-10W-5, 532 nm, 10 W, cw, stability <5%, noise <1%, PSU-FDA		0.r	0.r
RLTMML-532-15W-5, 532 nm, 15 W, cw, stability <5%, noise <1%, PSU-FDA		0.r	0.r
RLTMML-532-20W-5, 532 nm, 20 W, cw, stability <5%, noise <1%, PSU-FDA		0.r	0.r
RLTMSL-532 series   DPSS   CW   SINGLE LONGITUDINAL MODE   LOW NOISE	Status	EUR / pc	USD / pc
RLTMSL-532-10-3, 532 nm, 10 mW, cw, stability <3%, noise <0.5%, PSU-FDA		0.r	0.r
RLTMSL-532-50-3, 532 nm, 50 mW, cw, stability <3%, noise <0.5%, PSU-FDA		0.r	0.r
RLTMSL-532-100-3, 532 nm, 100 mW, cw, stability <3%, noise <0.5%, PSU-FDA		0.r	0.r
RLTMSL-532-200-3, 532 nm, 200 mW, cw, stability <3%, noise <0.5%, PSU-FDA		0.r	0.r
RLTMSL-532-300-3, 532 nm, 300 mW, cw, stability <3%, noise <0.5%, PSU-FDA		0.r	0.r
RLTMSL-532-500-3, 532 nm, 500 mW, cw, stability <3%, noise <0.5%, PSU-FDA		0.r	0.r
RLTMSL-532-1W-3, 532 nm, 1000 mW, cw, stability <3%, noise <0.5%, PSU-FDA		0.r	0.r
RLTMPL-532 series   DPSS   PASSIVELY Q-SWITCHED	Status	EUR / pc	USD / pc
RLTMPL-532-10-3, 532 nm, 10 mW, avg., pulse length ~10ns, <3%, stability, PSU-FDA		0.r	0.r
RLTMPL-532-20-3, 532 nm, 20 mW, avg., pulse length ~10ns, <3%, stability, PSU-FDA		0.r	0.r
RLTMPL-532-50-3, 532 nm, 50 mW, avg., pulse length ~10ns, <3%, stability, PSU-FDA		0.r	0.r
RLTMPL-532-100-3, 532 nm, 100 mW, avg., pulse length ~10ns, <3%, stability, PSU-FDA		0.r	0.r
RLTMPL-532-300-3, 532 nm, 300 mW, avg., pulse length ~5ns, <3%, stability, PSU-FDA		0.r	0.r
RLTMPL-532-500-3, 532 nm, 500 mW, avg., pulse length ~5ns, <3%, stability, PSU-FDA		0.r	0.r
RLTMPL-532-1W-3, 532 nm, 1 W, mW avg., pulse length ~5ns, <3%, stability, PSU-FDA		0.r	0.r
RLTMPL-532-2W-3, 532 nm, 2 W, mW avg., pulse length ~5ns, <3%, stability, PSU-FDA		0.r	0.r
RLTMPL-532-3W-3, 532 nm, 3 W, mW avg., pulse length ~5ns, <3%, stability, PSU-FDA		0.r	0.r
RLTMPL-532 series   DPSS   PASSIVELY Q-SWITCHED   SHORT PULSE	Status	EUR / pc	USD / pc
RLTMPL-532SP-3UJ-5, 532 nm, 3 µJ, ~1.3 ns pulse, <5%, stability, PSU-FDA		0.r	0.r
RLTMPL-532SP-5UJ-5, 532 nm, 5 µJ, ~1.3 ns pulse, <5%, stability, PSU-FDA		0.r	0.r
RLTMPL-532SP-10UJ-5, 532 nm, 10 µJ, ~1.3 ns pulse, <5%, stability, PSU-FDA		0.r	0.r
RLTMPL-532SP-20UJ-5, 532 nm, 20 µJ, ~1.3 ns pulse, <5%, stability, PSU-FDA		0.r	0.r
RLTMPL-532SP-30UJ-5, 532 nm, 30 µJ, ~1.3 ns pulse, <5%, stability, PSU-FDA		0.r	0.r
RLTAOL-532 series   DPSS   AOM Q-SWITCHED	Status	EUR / pc	USD / pc
RLTAOL-532-10-5, 532 nm, 10 mW, @ 1 kHz, 10µJ, 5-10 ns pulse, <5%, stability, PSU-FDA		0.r	0.r
RLTAOL-532-30-5, 532 nm, 30 mW, @ 1 kHz, 30µJ, 5-10 ns pulse, <5%, stability, PSU-FDA		0.r	0.r
RLTAOL-532-50-5, 532 nm, 50 mW, @ 1 kHz, 50µJ, 5-10 ns pulse, <5%, stability, PSU-FDA		0.r	0.r
RLTAOL-532-100-5, 532 nm, 100 mW, @ 10 kHz, 10µJ, 8-15 ns pulse, <5%, stability, PSU-FDA		0.r	0.r
RLTAOL-532-300-5, 532 nm, 300 mW, @ 10 kHz, 30 µJ, 8-15 ns pulse, <5%, stability, PSU-FDA		0.r	0.r
RLTAOL-532-500-5, 532 nm, 500 mW, @ 10 kHz, 50 µJ, 8-15 ns pulse, <5%, stability, PSU-FDA		0.r	0.r
RLTAOL-532-1W-5, 532 nm, 1 W, @ 10 kHz, 100 µJ, 5-30 ns pulse, <5%, stability, PSU-FDA		0.r	0.r
RLTAOL-532-2W-5, 532 nm, 2 W, @ 10 kHz, 200 µJ, 5-30 ns pulse, <5%, stability, PSU-FDA		0.r	0.r

## LASER SYSTEMS GREEN - 543 nm



### Diode Pumped Solid State Laser Systems

| 90-240 VAC power supply included

| CW mode

| Options: Fiber coupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

**543 nm**

RLTMGL-543 series   DPSS   CW	Status	EUR / pc	USD / pc
RLTMGL-543-30-3, 543 nm, 30 mW, cw, stability <3%, PSU-FDA		0.r	0.r
RLTMGL-543-50-3, 543 nm, 50 mW, cw, stability <3%, PSU-FDA		0.r	0.r
RLTMGL-543-100-3, 543 nm, 100 mW, cw, stability <3%, PSU-FDA		0.r	0.r
RLTMGL-543-200-3, 543 nm, 200 mW, cw, stability <3%, PSU-FDA		0.r	0.r
RLTMGL-543-500-3, 543 nm, 500 mW, cw, stability <3%, PSU-FDA		0.r	0.r
RLTMGL-543-1W-3, 543 nm, 1 W, cw, stability <3%, PSU-FDA		0.r	0.r
RLTMGL-543-1.5W-3, 543 nm, 1.5 W, cw, stability <3%, PSU-FDA		0.r	0.r

# LASER SYSTEMS GREEN - 556 nm



## Diode Pumped Solid State Laser Systems

| 90-240 VAC power supply included

| CW and pulsed systems available

| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

**556 nm**

RLTMGL-556 series   DPSS   CW	Status	EUR / pc	USD / pc
RLTMGL-556-30-3, 556 nm, 30 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMGL-556-50-3, 556 nm, 50 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMGL-556-100-3, 556 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMGL-556-200-3, 556 nm, 200 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMGL-556-500-10, 556 nm, 500 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMGL-556-1W-10, 556 nm, 1 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMGL-556-2W-10, 556 nm, 2 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMGL-556-2.5W-10, 556 nm, 2.5 W, cw, stability <3%, PSU-FDA		o.r	o.r

# LASER SYSTEMS GREEN - 561 nm



## Diode Pumped Solid State Laser Systems

| 90-240 VAC power supply included

| CW operation

| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

**561 nm**

RLTMGL-561 series   DPSS   CW	Status	EUR / pc	USD / pc
RLTMGL-561-30-3, 561 nm, 30 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMGL-561-50-3, 561 nm, 50 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMGL-561-100-3, 561 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMGL-561-200-3, 561 nm, 200 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMGL-561-300-3, 561 nm, 300 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMGL-561-500-3, 561 nm, 500 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMGL-561-1W-3, 561 nm, 1 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMGL-561-2W-3, 561 nm, 2 W, cw, stability <3%, PSU-FDA		o.r	o.r

RLTMGL-561 series   DPSS   CW   LOW NOISE	Status	EUR / pc	USD / pc
RLTMGL-561-30-3, 561 nm, 30 mW, cw, stability <3%, noise <1%, PSU-FDA		o.r	o.r
RLTMGL-561-50-3, 561 nm, 50 mW, cw, stability <3%, noise <1%, PSU-FDA		o.r	o.r
RLTMGL-561-100-3, 561 nm, 100 mW, cw, stability <3%, noise <1%, PSU-FDA		o.r	o.r
RLTMGL-561-200-3, 561 nm, 200 mW, cw, stability <3%, noise <1%, PSU-FDA		o.r	o.r

# LASER SYSTEMS YELLOW - 589/593.5 nm



## Diode Pumped Solid State Laser Systems

| 90-240 VAC power supply included

| CW and pulsed systems available

| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

**589/593.5 nm**

RLTMGL-589 series   DPSS   CW	Status	EUR / pc	USD / pc
RLTMGL-589-10-5, 589 nm, 10 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMGL-589-30-5, 589 nm, 30 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMGL-589-50-5, 589 nm, 50 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMGL-589-100-5, 589 nm, 100 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMGL-589-200-5, 589 nm, 200 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMGL-589-300-5, 589 nm, 300 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMGL-589-400-5, 589 nm, 400 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMGL-589-500-5, 589 nm, 500 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMGL-589-1W-5, 589 nm, 1 W, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMGL-589-2W-5, 589 nm, 2 W, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMGL-589-3W-5, 589 nm, 3 W, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMGL-589-4.5W-5, 589 nm, 4.5 W, cw, stability <5%, PSU-FDA		o.r	o.r

RLTMGL-593 series   DPSS   CW	Status	EUR / pc	USD / pc
RLTMGL-593-10-5, 593.5 nm, 10 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMGL-593-30-5, 593.5 nm, 30 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMGL-593-50-5, 593.5 nm, 50 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMGL-593-100-5, 593.5 nm, 100 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMGL-593-200-5, 593.5 nm, 200 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMGL-593-500-5, 593.5 nm, 500 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMGL-593-800-5, 593.5 nm, 800 mW, cw, stability <5%, PSU-FDA		o.r	o.r

## LASER SYSTEMS ORANGE - 604 nm



### Diode Pumped Solid State Laser Systems

| 90-240 VAC power supply included

| CW operation

| Options: Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

**604 nm**

RLTMRL-604 series   DPSS   CW	Status	EUR / pc	USD / pc
RLTMRL-604-10-5, 604 nm, 10 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMRL-604-30-5, 604 nm, 30 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMRL-604-50-5, 604 nm, 50 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMRL-604-100-5, 604 nm, 100 mW, cw, stability <5%, PSU-FDA		o.r	o.r

## LASER SYSTEMS ORANGE - 607 nm



### Diode Pumped Solid State Laser Systems

| 90-240 VAC power supply included

| CW operation

| Options: Fiber coupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

**607 nm**

RLTMRL-607 series   DPSS   CW	Status	EUR / pc	USD / pc
RLTMRL-607-30-5, 607 nm, 30 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMRL-607-50-5, 607 nm, 50 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMRL-607-100-5, 607 nm, 100 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMRL-607-200-5, 607 nm, 200 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMRL-607-300-5, 607 nm, 300 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMRL-607-500-5, 607 nm, 500 mW, cw, stability <5%, PSU-FDA		o.r	o.r

## LASER SYSTEMS RED - 633/635/637 nm



### Diode Laser Systems

| 90-240 VAC power supply included

| CW and pulsed systems available

| Options: Fiber coupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

**633/635/637 nm**

RLTMDL-633 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-633-100-3, 633 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-633-200-3, 633 nm, 200 mW, cw, MM, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-633-300-3, 633 nm, 300 mW, cw, MM, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-633-500-3, 633 nm, 500 mW, cw, MM, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-635 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-635-300-3, 635 nm, 300 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-635-500-3, 635 nm, 500 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-635-1W-3, 635 nm, 1 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-635R series   DIODE   CW   ROUND BEAM	Status	EUR / pc	USD / pc
RLTMDL-635R-50-3, 635 nm, 50 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-635R-100-3, 635 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-635R-150-3, 635 nm, 150 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-637 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-637-100-3, 637 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-637-200-3, 637 nm, 200 mW, cw, stability <3%, PSU-FDA		o.r	o.r

## LASER SYSTEMS RED - 639 nm



### Diode Pumped Solid State Laser Systems

| 90-240 VAC power supply included

| CW and pulsed systems available

| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

**639 nm**

RLTMRL-639 series   DPSS   CW	Status	EUR / pc	USD / pc
RLTMRL-639-50-3, 639 nm, 50 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMRL-639-100-3, 639 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMRL-639-300-3, 639 nm, 300 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMRL-639-500-3, 639 nm, 500 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMRL-639-1W-3, 639 nm, 1 W, cw, stability <3%, PSU-FDA		o.r	o.r

## LASER SYSTEMS RED - 640 nm



### Diode Laser Systems

| 90-240 VAC power supply included

| CW and pulsed systems available

| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

**640 nm**

RLTMRL-640 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMRL-640-100-3, 640 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMRL-640-200-3, 640 nm, 200 mW, cw, stability <3%, PSU-FDA		o.r	o.r

## LASER SYSTEMS RED - 655 nm



### Diode Laser Systems

| 90-240 VAC power supply included

| CW and pulsed systems available

| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, narrow linewidth, remote control

**655 nm**

RLTMDL-655 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-655-100-3, 655 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-655-500-3, 655 nm, 500 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-655-1W-3, 655 nm, 1 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-655R series   DIODE   CW   ROUND BEAM	Status	EUR / pc	USD / pc
RLTMDL-655R-50-3, 655 nm, 50 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-655R-100-3, 655 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-655R-200-3, 655 nm, 200 mW, cw, stability <3%, PSU-FDA		o.r	o.r

## LASER SYSTEMS RED - 656.5 nm



### Diode Pumped Solid State Laser Systems

| 90-240 VAC power supply included

| CW and pulsed systems available

| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

**656.5 nm**

RLTMRL-656 series   DPSS   CW	Status	EUR / pc	USD / pc
RLTMRL-656-10-5, 656.5 nm, 10 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMRL-656-30-5, 656.5 nm, 30 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMRL-656-50-5, 656.5 nm, 50 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMRL-656-100-5, 660 nm, 200 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMRL-656-200-5, 656 nm, 200 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMRL-656-500-5, 660 nm, 500 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMRL-656-1W-5, 660 nm, 1 W, cw, stability <5%, PSU-FDA		o.r	o.r

# LASER SYSTEMS RED - 660 nm DIODE



## Diode Laser Systems

| 90-240 VAC power supply included

| CW and pulsed systems available

| Options: Fiber coupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

**660 nm**

RLTMDL-660 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-660-100-3, 660 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-660-500-3, 660 nm, 500 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-660-1W-3, 660 nm, 1 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-660R series   DIODE   CW   ROUND BEAM	Status	EUR / pc	USD / pc
RLTMDL-660R-50-3, 660 nm, 50 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-660R-100-3, 660 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-660R-200-3, 660 nm, 200 mW, cw, stability <3%, PSU-FDA		o.r	o.r

# LASER SYSTEMS RED - 660 nm DPSS



## Diode Pumped Solid State Laser Systems

| 90-240 VAC power supply included

| CW and pulsed systems available

| Options: Fiber coupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

**660 nm**

RLTMRL-660 series   DPSS   CW	Status	EUR / pc	USD / pc
RLTMRL-660-30-5, 660 nm, 30 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMRL-660-50-5, 660 nm, 50 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMRL-660-100-5, 660 nm, 100 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMRL-660-200-5, 660 nm, 200 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMRL-660-300-5, 660 nm, 300 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMRL-660-500-5, 660 nm, 500 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMRL-660-1W-5, 660 nm, 1 W, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMRL-660-2W-5, 660 nm, 2 W, cw, stability <5%, PSU-FDA		o.r	o.r

# LASER SYSTEMS RED - 671 nm



## Diode Pumped Solid State Laser Systems

| 90-240 VAC power supply included

| CW and pulsed systems available

| Options: Fibercoupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

**671 nm**

RLTMRL-671 series   DPSS   CW	Status	EUR / pc	USD / pc
RLTMRL-671-50-3, 671 nm, 50 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMRL-671-100-3, 671 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMRL-671-200-3, 671 nm, 200 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMRL-671-500-3, 671 nm, 500 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMRL-671-1W-3, 671 nm, 1 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMRL-671-2W-5, 671 nm, 2 W, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMRL-671-3W-5, 671 nm, 3 W, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMRL-671-4W-5, 671 nm, 4 W, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMRL-671-5W-5, 671 nm, 5 W, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMML-671 series   DPSS   CW   LOW NOISE	Status	EUR / pc	USD / pc
RLTMML-671-100-3, 671 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMML-671-200-3, 671 nm, 200 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMML-671-500-3, 671 nm, 500 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMML-671-1W-3, 671 nm, 1 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMML-671-2W-5, 671 nm, 2 W, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMML-671-3W-5, 671 nm, 3 W, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMML-671-4W-5, 671 nm, 4 W, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMML-671-5W-5, 671 nm, 5 W, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMSL-671 series   DPSS   CW   SINGLE LONGITUDINAL MODE   LOW NOISE	Status	EUR / pc	USD / pc
RLTMSL-671-30-3, 671 nm, 30 mW, cw, stability <3%, noise <0.5%, PSU-FDA		o.r	o.r
RLTMSL-671-50-3, 671 nm, 50 mW, cw, stability <3%, noise <0.5%, PSU-FDA		o.r	o.r
RLTMSL-671-300-3, 671 nm, 300 mW, cw, stability <3%, noise <0.5%, PSU-FDA		o.r	o.r
RLTMSL-671-500-3, 671 nm, 500 mW, cw, stability <3%, noise <0.5%, PSU-FDA		o.r	o.r

## LASER SYSTEMS RED - 680 nm



### Diode Laser Systems

- | 90-240 VAC power supply included
- | CW operation
- | Options: Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

**680 nm**

RLTMDL-680 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-680-300-2, 680 nm, 300 mW, cw, stability <2%, PSU-FDA		o.r	o.r
RLTMDL-680-500-2, 680 nm, 500 mW, cw, stability <2%, PSU-FDA		o.r	o.r
RLTMDL-680-800-2, 680 nm, 800 mW, cw, stability <2%, PSU-FDA		o.r	o.r

RLTMDL-680R series   DIODE   CW   ROUND BEAM	Status	EUR / pc	USD / pc
RLTMDL-680R-50-2, 680 nm, 50 mW, cw, stability <2%, PSU-FDA		o.r	o.r
RLTMDL-680R-100-2, 680 nm, 100 mW, cw, stability <2%, PSU-FDA		o.r	o.r
RLTMDL-680R-200-2, 680 nm, 200 mW, cw, stability <2%, PSU-FDA		o.r	o.r

## LASER SYSTEMS RED - 685 nm



### Diode Laser Systems

- | 90-240 VAC power supply included
- | CW and pulsed systems available
- | Options: Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

**685 nm**

RLTMDL-685 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-685-10-3, 685 nm, 10 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-685-20-3, 685 nm, 20 mW, cw, stability <3%, PSU-FDA		o.r	o.r

## LASER SYSTEMS IR - 705 nm



### Diode Laser Systems

- | 90-240 VAC power supply included
- | CW and pulsed systems available
- | Options: Fiber coupling, modulation, adj. output power, high stability, low noise, long coherence length, remote control

**705 nm**

RLTMDL-705 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-705-10-3, 705 nm, 10 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-705-20-3, 705 nm, 20 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-705-25-3, 705 nm, 25 mW, cw, stability <3%, PSU-FDA		o.r	o.r

## LASER SYSTEMS IR - 721 nm



### Diode Pumped Solid State Laser Systems

- | 90-240 VAC power supply included
- | CW operation
- | Options: Fibercoupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

**721 nm**

RLTMRL-721 series   DPSS   CW	Status	EUR / pc	USD / pc
RLTMRL-721-30-5, 721 nm, 30 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMRL-721-50-5, 721 nm, 50 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMRL-721-100-5, 721 nm, 100 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMRL-721-300-5, 721 nm, 300 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMRL-721-500-5, 721 nm, 500 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMRL-721-800-5, 721 nm, 800 mW, cw, stability <5%, PSU-FDA		o.r	o.r

## LASER SYSTEMS IR - 730 nm



### Diode Laser Systems

- | 90-240 VAC power supply included
- | CW and pulsed systems available
- | **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, long coherence length, remote control

**730 nm**

RLTMDL-730 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-730-10-3, 730 nm, 10 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-730-20-3, 730 nm, 20 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-730-30-3, 730 nm, 30 mW, cw, stability <3%, PSU-FDA		o.r	o.r

## LASER SYSTEMS IR - 750 nm



### Diode Laser Systems

- | 90-240 VAC power supply included
- | CW operation
- | **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

**750 nm**

RLTMDL-750 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-750-100-3, 750 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-750-300-3, 750 nm, 300 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-750-500-3, 750 nm, 500 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-750-1W-3, 750 nm, 1 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-750-2W-3, 750 nm, 2 W, cw, stability <3%, PSU-FDA		o.r	o.r

## LASER SYSTEMS IR - 785 nm



### Diode Laser Systems

- | 90-240 VAC power supply included
- | CW and pulsed systems available
- | **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

**785 nm**

RLTMDL-785 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-785-500-3, 785 nm, 500 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-785-1W-3, 785 nm, 1 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-785-2W-3, 785 nm, 2 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-785-2.5W-3, 785 nm, 2.5 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-785R series   DIODE   CW   ROUND BEAM	Status	EUR / pc	USD / pc
RLTMDL-785R-100-3, 785 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-785R-200-3, 785 nm, 200 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-785R-300-3, 785 nm, 300 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-785L series   DIODE   CW   NEAR TEM00	Status	EUR / pc	USD / pc
RLTMDL-785L-300-3, 785±0.3 nm, 300 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-785L-400-3, 785±0.3 nm, 400 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-785L-600-3, 785±0.3 nm, 600 mW, cw, stability <3%, PSU-FDA		o.r	o.r

## LASER SYSTEMS IR - 785 nm INDUSTRIAL



### Fiber Coupled Diode Laser Systems for Industrial Application

- | 90-240 VAC power supply integrated
- | CW operation
- | **Options:** modulation, red pilot laser, remote control

**785 nm**

RLTMFC-785 series   DIODE   CW   FIBER COUPLED	Status	EUR / pc	USD / pc
RLTMFC-785-500-3, 785 nm, 500 mW, cw, stability <3%, laser unit 243x249x127 mm		o.r	o.r
RLTMFC-785-1W-3, 785 nm, 1 W, cw, stability <3%, laser unit 243x249x127 mm		o.r	o.r
RLTMFC-785-2W-3, 785 nm, 2 W, cw, stability <3%, laser unit 243x249x127 mm		o.r	o.r

# LASER SYSTEMS IR - 785 nm RAMAN



## Spectrum Stabilized Fiber Coupled Diode Laser Systems for Raman Application

- | 90-240 VAC adapter included
- | CW operation
- | Options: modulation

**785 nm**

RLTMFC-785D series   DIODE   CW   FIBER COUPLED	Status	EUR / pc	USD / pc
RLTMFC-785D-200-3, 785±0.3 nm, 200 mW, cw, stability <3%, fiber coupled		o.r	o.r
RLTMFC-785D-300-3, 785±0.3 nm, 300 mW, cw, stability <3%, fiber coupled		o.r	o.r
RLTMFC-785D-450-3, 785±0.3 nm, 450 mW, cw, stability <3%, fiber coupled		o.r	o.r

# LASER SYSTEMS IR - 793 nm



## Diode Laser Systems

- | 90-240 VAC power supply included
- | CW operation
- | Options: Fiber coupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

**793 nm**

RLTMDL-793 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-793-500-3, 793 nm, 500 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-793-1W-3, 793 nm, 1 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-793-2.5W-3, 793 nm, 2.5 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-793-3W-3, 793 nm, 3 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-793-4W-3, 793 nm, 4 W, cw, stability <3%, PSU-FDA		o.r	o.r

# LASER SYSTEMS IR - 800 nm



## Diode Laser Systems

- | 90-240 VAC power supply included
- | CW operation
- | Options: Fiber coupling, modulation, adj. output power, high stability, single longitudinal mode, remote control

**800 nm**

RLTMDL-800 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-800-1W-3, 800 nm, 1 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-800-2W-3, 800 nm, 2 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-800-2.5W-3, 800 nm, 2.5 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-800R series   DIODE   CW   ROUND BEAM	Status	EUR / pc	USD / pc
RLTMDL-800R-100-3, 800 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-800R-300-3, 800 nm, 300 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-800R-500-3, 800 nm, 500 mW, cw, stability <3%, PSU-FDA		o.r	o.r

# LASER SYSTEMS IR - 808 nm



## Diode Laser Systems

- | 90-240 VAC power supply included
- | CW and pulsed systems available
- | Options: Fiber coupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

**808 nm**

RLTMDL-808 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-808-1W-3, 808 nm, 1 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-808-2W-3, 808 nm, 2 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-808-5W-3, 808 nm, 5 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-808-8W-3, 808 nm, 8 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-808-10W-3, 808 nm, 10 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-808R series   DIODE   CW   ROUND BEAM	Status	EUR / pc	USD / pc
RLTMDL-808R-100-3, 808 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-808R-300-3, 808 nm, 300 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-808R-500-3, 808 nm, 500 mW, cw, stability <3%, PSU-FDA		o.r	o.r

# LASER SYSTEMS IR - 808 nm INDUSTRIAL



## Fiber Coupled Diode Laser Systems for Industrial Application

| 90-240 VAC power supply integrated  
| CW operation  
| Options: modulation, red pilot laser, remote control

**808 nm**

RLTMFC-808 series   DIODE   CW   FIBER COUPLED	Status	EUR / pc	USD / pc
RLTMFC-808-20W-1, 808 nm, 20 W, cw, stability <1%, 400 µm MM fiber, SMA 905		o.r	o.r
RLTMFC-808-30W-1, 808 nm, 30 W, cw, stability <1%, laser unit 326x292x156 mm		o.r	o.r
RLTMFC-808-40W-1, 808 nm, 40 W, cw, stability <1%, laser unit 314x290x134 mm		o.r	o.r
RLTMFC-808-50W-1, 808 nm, 50 W, cw, stability <1%, laser unit 288x264x148 mm		o.r	o.r

# LASER SYSTEMS IR - 825 nm



## Diode Laser Systems

| 90-240 VAC power supply included  
| CW operation  
| Options: Fiber coupling, modulation, adj. output power, high stability, remote control

**825 nm**

RLTMDL-825 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-825-500-3, 825 nm, 500 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-825-1W-3, 825 nm, 1 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-825-2W-3, 825 nm, 2 W, cw, stability <3%, PSU-FDA		o.r	o.r

# LASER SYSTEMS IR - 830 nm



## Diode Laser Systems

| 90-240 VAC power supply included  
| CW and pulsed systems available  
| Options: Fiber coupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

**830 nm**

RLTMDL-830 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-830-500-3, 830 nm, 500 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-830-1W-3, 830 nm, 1 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-830-2W-3, 830 nm, 2 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-830R series   DIODE   CW   ROUND BEAM	Status	EUR / pc	USD / pc
RLTMDL-830R-100-3, 830 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-830R-300-3, 830 nm, 300 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-830R-500-3, 830 nm, 500 mW, cw, stability <3%, PSU-FDA		o.r	o.r

# LASER SYSTEMS IR - 845 nm



## Diode Laser Systems

| 90-240 VAC power supply included  
| CW operation  
| Options: Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

**845 nm**

RLTMDL-845 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-845-20-3, 845 nm, 20 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-845-40-3, 845 nm, 40 mW, cw, stability <3%, PSU-FDA		o.r	o.r

# LASER SYSTEMS IR - 852 nm



## Diode Laser Systems

| 90-240 VAC power supply included  
| CW and pulsed systems available  
| Options: Fiber coupling, modulation, adj. output power, high stability, low noise, long coherence length, remote control

**852 nm**

RLTMDL-852 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-852-1W-3, 852 nm, 1 W, cw, stability <3%, PSU-FDA		o.r	o.r



## LASER SYSTEMS IR - 879/880 nm



### Diode Laser Systems

| 90-240 VAC power supply included  
 | CW operation  
 | Options: Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

**879/880 nm**

RLTMDL-879 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-879-1W-3, 879 nm, 1 W, cw, square beam, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-879-2W-3, 879 nm, 2 W, cw, square beam, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-879-2.5W-3, 879 nm, 2.5 W, cw, square beam, stability <3%, PSU-FDA		o.r	o.r

RLTMDL-880 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-880-1W-3, 880 nm, 1 W, cw, square beam, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-880-2W-3, 880 nm, 2 W, cw, square beam, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-880-2.5W-3, 880 nm, 2.5 W, cw, square beam, stability <3%, PSU-FDA		o.r	o.r

## LASER SYSTEMS IR - 885 nm



### Diode Laser Systems

| 90-240 VAC power supply included  
 | CW operation  
 | Options: Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

**885 nm**

RLTMDL-885 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-885-500-3, 885 nm, 500 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-885-1W-3, 885 nm, 1 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-885-1.5W-3, 885 nm, 1.5 W, cw, stability <3%, PSU-FDA		o.r	o.r

## LASER SYSTEMS IR - 905 nm



### Diode Laser Systems

| 90-240 VAC power supply included  
 | CW and pulsed systems available  
 | Options: Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

**905 nm**

RLTMDL-905L series   DIODE   CW   TEM00	Status	EUR / pc	USD / pc
RLTMDL-905L-30-2, 905 nm, 30 mW, cw, stability <2%, PSU-FDA		o.r	o.r
RLTMDL-905L-50-2, 905 nm, 50 mW, cw, stability <2%, PSU-FDA		o.r	o.r
RLTMDL-905L-70-2, 905 nm, 70 mW, cw, stability <2%, PSU-FDA		o.r	o.r

## LASER SYSTEMS IR - 914 nm



### Diode Pumped Solid State Laser Systems

| 90-240 VAC power supply included  
 | CW and pulsed systems available  
 | Options: Fiber coupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

**914 nm**

RLTMIL-914 series   DPSS   CW	Status	EUR / pc	USD / pc
RLTMIL-914-100-5, 914 nm, 100 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMIL-914-200-5, 914 nm, 200 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMIL-914-400-5, 914 nm, 400 mW, cw, stability <5%, PSU-FDA		o.r	o.r

## LASER SYSTEMS IR - 915 nm



### Diode Laser Systems

| 90-240 VAC power supply included  
 | CW and pulsed systems available  
 | Options: Fiber coupling, modulation, adj. output power, high stability, low noise, narrow linewidth, remote control

**915 nm**

RLTMDL-915 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-915-100-3, 915 nm, 100 mW, cw, near TEM00, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-915-300-3, 915 nm, 300 mW, cw, near TEM00, stability <3%, PSU-FDA		1.448,00	1.717,27
RLTMDL-915-500-3, 915 nm, 500 mW, cw, stability <3%, PSU-FDA		1.238,00	1.468,22
RLTMDL-915-1W-3, 915 nm, 1 W, cw, stability <3%, PSU-FDA		1.448,00	1.717,27
RLTMDL-915-2W-3, 915 nm, 2 W, cw, stability <3%, PSU-FDA		1.900,00	2.253,32
RLTMDL-915-5W-3, 915 nm, 5 W, cw, stability <3%, PSU-FDA		2.352,00	2.789,37
RLTMDL-915-8W-3, 915 nm, 8 W, cw, stability <3%, PSU-FDA		o.r	o.r

## LASER SYSTEMS IR - 940 nm



### Diode Laser Systems

| 90-240 VAC power supply included  
 | CW and pulsed systems available  
 | Options: Fiber coupling, modulation, adj. output power, high stability, low noise, narrow linewidth, remote control

**940 nm**

RLTMDL-940 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-940-100-3, 940 nm, 100 mW, cw, near TEM00, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-940-300-3, 940 nm, 300 mW, cw, near TEM00, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-940-500-3, 940 nm, 500 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-940-1W-3, 940 nm, 1 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-940-2W-3, 940 nm, 2 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-940-5W-3, 940 nm, 5 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-940-8W-3, 940 nm, 8 W, cw, stability <3%, PSU-FDA		o.r	o.r

## LASER SYSTEMS IR - 946 nm



### Diode Pumped Solid State Laser Systems

| 90-240 VAC power supply included  
 | CW and pulsed systems available  
 | Options: Fibercoupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

**946 nm**

RLTMIL-946 series   DPSS   CW	Status	EUR / pc	USD / pc
RLTMIL-946-50-3, 946 nm, 50 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-946-100-3, 946 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-946-200-3, 946 nm, 200 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-946-500-3, 946 nm, 500 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-946-800-3, 946 nm, 800 mW, cw, stability <3%, PSU-FDA		o.r	o.r

## LASER SYSTEMS IR - 968 nm



### Diode Laser Systems

| 90-240 VAC power supply included  
 | CW operation  
 | Options: Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

**968 nm**

RLTMDL-968 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-968-200-2, 968 nm, 200 mW, cw, stability <2%, PSU-FDA		o.r	o.r
RLTMDL-968-500-2, 968 nm, 500 mW, cw, stability <2%, PSU-FDA		o.r	o.r
RLTMDL-968-800-2, 968 nm, 800 mW, cw, stability <2%, PSU-FDA		o.r	o.r
RLTMDL-968-1W-2, 968 nm, 1 W, cw, stability <2%, PSU-LED		o.r	o.r

# LASER SYSTEMS IR - 975 nm



## Diode Laser Systems

- | 90-240 VAC power supply included
- | CW operation
- | **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, narrow linewidth, remote control

**975 nm**

RLTMDL-975 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-975-500-3, 975±5 nm, 500 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-975-1W-3, 975±5 nm, 1 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-975-3W-3, 975±5 nm, 3 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-975-5W-3, 975±5 nm, 5 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-975-10W-3, 975±5 nm, 10 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-975R series   DIODE   CW   ROUND BEAM	Status	EUR / pc	USD / pc
RLTMDL-975R-100-3, 975±5 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-975R-300-3, 975±5 nm, 300 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-975R-500-3, 975±5 nm, 500 mW, cw, stability <3%, PSU-FDA		o.r	o.r

# LASER SYSTEMS IR - 980 nm



## Diode Laser Systems

- | 90-240 VAC power supply included
- | CW and pulsed systems available
- | **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, narrow linewidth, remote control

**980 nm**

RLTMDL-980 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-980-500-3, 980±10 nm, 500 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-980-1W-3, 980±10 nm, 1 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-980-2W-3, 980 nm, 2 W, cw, stab. <3%, PSU-FDA		o.r	o.r
RLTMDL-980-3W-3, 980±10 nm, 3 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-980-5W-3, 980±10 nm, 5 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-980-10W-3, 980±10 nm, 10 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-980R series   DIODE   CW   ROUND BEAM	Status	EUR / pc	USD / pc
RLTMDL-980R-100-3, 980±10 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-980R-300-3, 980±10 nm, 300 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-980R-500-3, 980±10 nm, 500 mW, cw, stability <3%, PSU-FDA		o.r	o.r

# LASER SYSTEMS IR - 980 nm INDUSTRIAL



## Fiber Coupled Diode Laser Systems for Industrial Application

- | 90-240 VAC power supply integrated
- | CW operation
- | **Options:** modulation, red pilot laser, remote control

**980 nm**

RLTMFC-980 series   DIODE   CW   FIBER COUPLED	Status	EUR / pc	USD / pc
RLTMFC-980-1W-1, 980 nm, 1 W, cw, stability <1%, laser unit 243x249x127 mm		o.r	o.r
RLTMFC-980-2W-1, 980 nm, 2 W, cw, stability <1%, laser unit 330x291x156 mm		o.r	o.r
RLTMFC-980-4W-1, 980 nm, 4 W, cw, stability <1%, laser unit 243x249x127 mm		o.r	o.r
RLTMFC-980-8W-1, 980 nm, 8 W, cw, stability <1%, laser unit 243x249x127 mm		o.r	o.r
RLTMFC-980-25W-1, 980 nm, 25 W, cw, stability <1%, laser unit 314x290x134 mm		o.r	o.r
RLTMFC-980-30W-1, 980 nm, 30 W, cw, stability <1%, laser unit 288x264x148 mm		o.r	o.r
RLTMFC-980-50W-1, 980 nm, 50 W, cw, stability <1%, laser unit 314x290x134 mm		o.r	o.r

# LASER SYSTEMS IR - 1030 nm



## Diode Pumped Solid State Laser Systems

- | 90-240 VAC power supply included
- | CW and pulsed systems available
- | **Options:** Fibercoupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

**1030 nm**

RLTMIL-1030 series   DPSS   CW	Status	EUR / pc	USD / pc
RLTMIL-1030-30-3, 1030 nm, 30 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1030-50-3, 1030 nm, 50 mW, cw, stability <3%, PSU-FDA		o.r	o.r



## LASER SYSTEMS IR - 1040 nm



### Diode Pumped Solid State Laser Systems

| 90-240 VAC power supply included

| CW operation

| **Options:** Fibercoupling, modulation, adj. output power, high stability, low noise, remote control

**1040 nm**

RLTMIL-1040 series   DPSS   CW	Status	EUR / pc	USD / pc
RLTMIL-1040-30-3, 1040 nm, 30 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1040-50-3, 1040 nm, 50 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1040-80-3, 1040 nm, 80 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1040-100-3, 1040 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r

## LASER SYSTEMS IR - 1047 nm



### Diode Pumped Solid State Laser Systems

| 90-240 VAC power supply included

| CW and pulsed systems available

| **Options:** Fibercoupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

**1047 nm**

RLTMIL-1047 series   DPSS   CW	Status	EUR / pc	USD / pc
RLTMIL-1047-50-3, 1047 nm, 50 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1047-100-3, 1047 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1047-300-3, 1047 nm, 300 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1047-500-3, 1047 nm, 500 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1047-800-3, 1047 nm, 800 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1047-1W-3, 1047 nm, 1 W, cw, stability <3%, PSU-FDA		o.r	o.r

RLTMIL-1053 series   DPSS   CW	Status	EUR / pc	USD / pc
RLTMIL-1053-100-3, 1053 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1053-300-3, 1053 nm, 300 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1053-500-3, 1053 nm, 500 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1053-1W-3, 1053 nm, 1000 mW, cw, stability <3%, PSU-FDA		o.r	o.r

RLTMPL-1053 series   DPSS   PASSIVELY Q-SWITCHED	Status	EUR / pc	USD / pc
RLTMPL-1053-10-3, 1053 nm, 10 µJ, pulse length ~10ns, stability <3%, PSU-FDA		o.r	o.r
RLTMPL-1053-20-3, 1053 nm, 20 µJ, pulse length ~10ns, stability <3%, PSU-FDA		o.r	o.r
RLTMPL-1053-30-3, 1053 nm, 30 µJ, pulse length ~10ns, stability <3%, PSU-FDA		o.r	o.r
RLTMPL-1053-50-3, 1053 nm, 50 µJ, pulse length ~10ns, stability <3%, PSU-FDA		o.r	o.r

## LASER SYSTEMS IR - 1060 nm



### Diode Laser Systems

| 90-240 VAC power supply included

| CW and pulsed systems available

| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, narrow linewidth, remote control

**1060 nm**

RLTMDL-1060 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-1060-100-5, 1060 nm, 100 mW, cw, near TEM00, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-1060-200-5, 1060 nm, 200 mW, cw, near TEM00, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-1060-300-5, 1060 nm, 300 mW, cw, near TEM00, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-1060-500-5, 1060 nm, 500 mW, cw, square beam, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-1060-1W-5, 1060 nm, 1 W, cw, square beam, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-1060-2W-5, 1060 nm, 2 W, cw, square beam, stability <3%, PSU-FDA		o.r	o.r

# LASER SYSTEMS IR - 1064 nm



## Diode Pumped Solid State Laser Systems

| 90-240 VAC power supply included

| CW and pulsed systems available

| Options: Fibercoupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

**1064 nm**

RLTMIL-1064 series   DPSS   CW	Status	EUR / pc	USD / pc
RLTMIL-1064-300-3, 1064 nm, 300 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1064-500-3, 1064 nm, 500 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1064-800-3, 1064 nm, 800 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1064-1W-3, 1064 nm, 1 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1064-2W-3, 1064 nm, 2 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1064-3W-3, 1064 nm, 3 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1064-5W-5, 1064 nm, 5 W, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMIL-1064-8W-5, 1064 nm, 8 W, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMIL-1064-10W-5, 1064 nm, 10 W, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMIL-1064-15W-5, 1064 nm, 15 W, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMIL-1064-20W-5, 1064 nm, 20 W, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMLL-1064 series   DPSS   CW   LOW NOISE	Status	EUR / pc	USD / pc
RLTMLL-1064-300-3, 1064 nm, 300 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMLL-1064-500-3, 1064 nm, 500 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMLL-1064-800-3, 1064 nm, 800 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMLL-1064-1W-3, 1064 nm, 1 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMLL-1064-2W-3, 1064 nm, 2 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMLL-1064-3W-3, 1064 nm, 3 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMSL-1064 series   DPSS   CW   LOW NOISE   SINGLE LONGITUDINAL MODE	Status	EUR / pc	USD / pc
RLTMSL-1064-50-3, 1064 nm, 50 mW, cw, stability <3%, noise <0.5%, PSU-FDA		o.r	o.r
RLTMSL-1064-100-3, 1064 nm, 100 mW, cw, stability <3%, noise <0.5%, PSU-FDA		o.r	o.r
RLTMSL-1064-300-3, 1064 nm, 300 mW, cw, stability <3%, noise <0.5%, PSU-FDA		o.r	o.r
RLTMSL-1064-500-3, 1064 nm, 500 mW, cw, stability <3%, noise <0.5%, PSU-FDA		o.r	o.r
RLTMSL-1064-1W-3, 1064 nm, 1 W, cw, stability <3%, noise <1%, PSU-FDA		o.r	o.r
RLTMSL-1064-2W-5, 1064 nm, 2 W, cw, stability <5%, noise <0.5%, PSU-FDA		o.r	o.r
RLTMSL-1064-5W-5, 1064 nm, 5 W, cw, stability <5%, noise <0.5%, PSU-FDA		o.r	o.r
RLTMSL-1064-8W-5, 1064 nm, 8 W, cw, stability <5%, noise <0.5%, PSU-FDA		o.r	o.r
RLTMSL-1064-10W-5, 1064 nm, 10 W, cw, stability <5%, noise <0.5%, PSU-FDA		o.r	o.r
RLTMPL-1064 series   DPSS   PASSIVELY Q-SWITCHED	Status	EUR / pc	USD / pc
RLTMPL-1064-100-3, 1064 nm, 10-20 µJ, 100 mW, pulse length ~1.3ns, stability <3%, PSU-FDA		o.r	o.r
RLTMPL-1064-300-3, 1064 nm, 10-20 µJ, 300 mW, pulse length ~1.3ns, stability <3%, PSU-FDA		o.r	o.r
RLTMPL-1064-500-3, 1064 nm, 10-20 µJ, 500 mW, pulse length ~3.5ns, stability <3%, PSU-FDA		o.r	o.r
RLTMPL-1064-1W-3, 1064 nm, 20-100 µJ, 1 W, pulse length ~10ns, stability <3%, PSU-FDA		o.r	o.r
RLTMPL-1064-2W-5, 1064 nm, 150-250 µJ, 2 W, pulse length ~2ns, stability <5%, PSU-FDA		o.r	o.r
RLTMPL-1064-3W-5, 1064 nm, 150-250 µJ, 3 W, pulse length ~2ns, stability <5%, PSU-FDA		o.r	o.r

# LASER SYSTEMS IR - 1085 nm



## Diode Pumped Solid State Laser Systems

| 90-240 VAC power supply included

| CW operation

| Options: Fibercoupling, modulation, adj. output power, high stability, low noise, remote control

**1085 nm**

RLTMIL-1085U series   DPSS   CW	Status	EUR / pc	USD / pc
RLTMIL-1085U-100-5, 1085 nm, 100 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMIL-1085U-200-5, 1085 nm, 200 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMIL-1085U-300-5, 1085 nm, 300 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMIL-1085U-500-5, 1085 nm, 500 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMIL-1085U-1W-5, 1085 nm, 1 W, cw, stability <5%, PSU-FDA		o.r	o.r

# LASER SYSTEMS IR - 1112 nm



## Diode Pumped Solid State Laser Systems

| 90-240 VAC power supply included

| CW operation

| Options: Fibercoupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

**1112 nm**

RLTMIL-1112 series   DPSS   CW	Status	EUR / pc	USD / pc
RLTMIL-1112-30-3, 1112 nm, 30 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1112-50-3, 1112 nm, 50 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1112-100-3, 1112 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1112-300-3, 1112 nm, 300 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1112-500-3, 1112 nm, 500 mW, cw, stability <3%, PSU-FDA		o.r	o.r

# LASER SYSTEMS IR - 1122 nm



## Diode Pumped Solid State Laser Systems

| 90-240 VAC power supply included

| CW operation

| Options: Fibercoupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

**1122 nm**

RLTMIL-1122 series   DPSS   CW	Status	EUR / pc	USD / pc
RLTMIL-1122-50-3, 1122 nm, 50 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1122-100-3, 1122 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1122-200-3, 1122 nm, 200 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1122-500-3, 1122 nm, 500 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1122-800-3, 1122 nm, 800 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1122-1W-3, 1122 nm, 1 W, cw, stability <3%, PSU-FDA		o.r	o.r

# LASER SYSTEMS IR - 1177 nm



## Diode Pumped Solid State Laser Systems

| 90-240 VAC power supply included

| CW and pulsed systems available

| Options: Fibercoupling, modulation, adj. output power, high stability, remote control

**1177 nm**

RLTMIL-1177 series   DPSS   CW	Status	EUR / pc	USD / pc
RLTMIL-1177-30-5, 1177 nm, 30 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMIL-1177-50-5, 1177 nm, 50 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMIL-1177-100-5, 1177 nm, 100 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMIL-1177-150-5, 1177 nm, 150 mW, cw, stability <5%, PSU-FDA		o.r	o.r

# LASER SYSTEMS IR - 1310 nm



## Diode Laser Systems

| 90-240 VAC power supply included

| CW and pulsed systems available

| Options: Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

**1310 nm**

RLTMDL-1310 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-1310-10-3, 1310 nm, 10 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-1310-20-3, 1310 nm, 20 mW, cw, stability <3%, PSU-FDA		o.r	o.r

# LASER SYSTEMS IR - 1313 nm



## Diode Pumped Solid State Laser Systems

- | 90-240 VAC power supply included
- | CW and pulsed systems available
- | **Options:** Fibercoupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

**1313 nm**

RLTMIL-1313 series   DPSS   CW	Status	EUR / pc	USD / pc
RLTMIL-1313-100-3, 1313 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1313-300-3, 1313 nm, 300 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1313-500-3, 1313 nm, 500 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1313-1W-3, 1313 nm, 1 W, cw, stability <3%, PSU-FDA		o.r	o.r

# LASER SYSTEMS IR - 1319 nm



## Diode Pumped Solid State Laser Systems

- | 90-240 VAC power supply included
- | CW and pulsed systems available
- | **Options:** Fibercoupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

**1319 nm**

RLTMIL-1319 series   DPSS   CW	Status	EUR / pc	USD / pc
RLTMIL-1319-50-3, 1319 nm, 50 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1319-100-3, 1319 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1319-300-3, 1319 nm, 300 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1319-500-3, 1319 nm, 500 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1319-800-3, 1319 nm, 800 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1319-1W-3, 1319 nm, 1 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1319-1.5W-3, 1319 nm, 1.5 W, cw, stability <3%, PSU-FDA		o.r	o.r

# LASER SYSTEMS IR - 1342 nm



## Diode Pumped Solid State Laser Systems

- | 90-240 VAC power supply included
- | CW and pulsed systems available
- | **Options:** Fibercoupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

**1342 nm**

RLTMIL-1342 series   DPSS   CW	Status	EUR / pc	USD / pc
RLTMIL-1342-100-3, 1342 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1342-300-3, 1342 nm, 300 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1342-500-3, 1342 nm, 500 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1342-800-3, 1342 nm, 800 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1342-1W-3, 1342 nm, 1 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1342-2W-3, 1342 nm, 2 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1342-3W-3, 1342 nm, 3 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1342-5W-3, 1342 nm, 5 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1342-6W-3, 1342 nm, 6 W, cw, stability <3%, PSU-FDA		o.r	o.r

# LASER SYSTEMS IR - 1413 nm



## Diode Pumped Solid State Laser Systems

- | 90-240 VAC power supply included
- | CW operation
- | **Options:** Fibercoupling, modulation, adj. output power, high stability, remote control

**1413 nm**

RLTMIL-1413 series   DPSS   CW	Status	EUR / pc	USD / pc
RLTMIL-1413-50-5, 1413 nm, 50 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMIL-1413-100-5, 1413 nm, 100 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMIL-1413-200-5, 1413 nm, 200 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMIL-1413-300-5, 1413 nm, 300 mW, cw, stability <5%, PSU-FDA		o.r	o.r

# LASER SYSTEMS IR - 1444 nm



## Diode Pumped Solid State Laser Systems

- | 90-240 VAC power supply included
- | CW and pulsed systems available
- | **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

**1444 nm**

RLTMIL-1444 series   DPSS   CW	Status	EUR / pc	USD / pc
RLTMIL-1444-50-3, 1444 nm, 50 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1444-100-3, 1444 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1444-200-3, 1444 nm, 200 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1444-400-3, 1444 nm, 400 mW, cw, stability <3%, PSU-FDA		o.r	o.r

# LASER SYSTEMS IR - 1450 nm



## Diode Laser Systems

- | 90-240 VAC power supply included
- | CW operation
- | **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

**1450 nm**

RLTMDL-1450 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-1450-100-2, 1450 nm, 100 mW, cw, stability <2%, PSU-FDA		o.r	o.r
RLTMDL-1450-300-2, 1450 nm, 300 mW, cw, stability <2%, PSU-FDA		o.r	o.r
RLTMDL-1450-500-2, 1450 nm, 500 mW, cw, stability <2%, PSU-FDA		o.r	o.r
RLTMDL-1450-1W-2, 1450 nm, 1 W, cw, stability <2%, PSU-FDA		o.r	o.r
RLTMDL-1450-2W-2, 1450 nm, 2 W, cw, stability <2%, PSU-FDA		o.r	o.r
RLTMDL-1450-3W-2, 1450 nm, 3 W, cw, stability <2%, PSU-FDA		o.r	o.r
RLTMDL-1450R series   DIODE   CW   ROUND BEAM	Status	EUR / pc	USD / pc
RLTMDL-1450R-50-2, 1450 nm, 50 mW, cw, round beam, stability <2%, PSU-FDA		o.r	o.r
RLTMDL-1450R-100-2, 1450 nm, 100 mW, cw, round beam, stability <2%, PSU-FDA		o.r	o.r
RLTMDL-1450R-150-2, 1450 nm, 150 mW, cw, round beam, stability <2%, PSU-FDA		o.r	o.r

# LASER SYSTEMS IR - 1470 nm



## Diode Laser Systems

- | 90-240 VAC power supply included
- | CW operation
- | **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

**1470 nm**

RLTMDL-1470 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-1470-100-2, 1470 nm, 100 mW, cw, stability <2%, PSU-FDA		o.r	o.r
RLTMDL-1470-300-2, 1470 nm, 300 mW, cw, stability <2%, PSU-FDA		o.r	o.r
RLTMDL-1470-500-2, 1470 nm, 500 mW, cw, stability <2%, PSU-FDA		o.r	o.r
RLTMDL-1470-1W-2, 1470 nm, 1 W, cw, stability <2%, PSU-FDA		o.r	o.r
RLTMDL-1470-2W-2, 1470 nm, 2 W, cw, stability <2%, PSU-FDA		o.r	o.r
RLTMDL-1470-3W-2, 1470 nm, 3 W, cw, stability <2%, PSU-FDA		o.r	o.r
RLTMDL-1470R series   DIODE   CW   ROUND BEAM	Status	EUR / pc	USD / pc
RLTMDL-1470R-50-2, 1470 nm, 50 mW, cw, round beam, stability <2%, PSU-FDA		o.r	o.r
RLTMDL-1470R-100-2, 1470 nm, 100 mW, cw, round beam, stability <2%, PSU-FDA		o.r	o.r
RLTMDL-1470R-150-2, 1470 nm, 150 mW, cw, round beam, stability <2%, PSU-FDA		o.r	o.r

# LASER SYSTEMS IR - 1532 nm



## Diode Laser Systems

- | 90-240 VAC power supply included
- | CW operation
- | **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

**1532 nm**

RLTMDL-1532 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-1532-100-2, 1532 nm, 100 mW, cw, stability <2%, PSU-FDA		o.r	o.r
RLTMDL-1532-300-2, 1532 nm, 300 mW, cw, stability <2%, PSU-FDA		o.r	o.r
RLTMDL-1532-500-2, 1532 nm, 500 mW, cw, stability <2%, PSU-FDA		o.r	o.r
RLTMDL-1532-1W-2, 1532 nm, 1 W, cw, stability <2%, PSU-FDA		o.r	o.r



## LASER SYSTEMS IR - 1550 nm



### Diode Laser Systems

- | 90-240 VAC power supply included
- | CW and pulsed systems available
- | **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, narrow linewidth, remote control

**1550 nm**

RLTMDL-1550 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-1550-100-3, 1550 nm, 100 mW cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-1550-300-3, 1550 nm, 300 mW cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-1550-500-3, 1550 nm, 500 mW cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-1550-1W-2, 1550 nm, 1 W, cw, stability <2%, PSU-FDA		o.r	o.r
RLTMDL-1550-2W-2, 1550 nm, 2 W, cw, stability <2%, PSU-FDA		o.r	o.r
RLTMDL-1550-3W-2, 1550 nm, 3 W, cw, stability <2%, PSU-FDA		o.r	o.r
RLTMDL-1550R series   DIODE   CW   ROUND BEAM	Status	EUR / pc	USD / pc
RLTMDL-1550R-50-2, 1550 nm, 50 mW, cw, round beam, stability <2%, PSU-FDA		o.r	o.r
RLTMDL-1550R-100-2, 1550 nm, 100 mW, cw, round beam, stability <2%, PSU-FDA		o.r	o.r
RLTMDL-1550R-200-2, 1550 nm, 200 mW, cw, flat top beam, stability <2%, PSU-FDA		o.r	o.r

## LASER SYSTEMS IR - 1645 nm



### Diode Pumped Solid State Laser Systems

- | 90-240 VAC power supply included
- | CW operation
- | **Options:** Fiber coupling, modulation, adj. output power, high stability, remote control

**1413 nm**

RLTMIL-1645 series   DPSS   CW	Status	EUR / pc	USD / pc
RLTMIL-1645-100-5, 1645 nm, 100 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMIL-1645-300-5, 1645 nm, 300 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMIL-1645-500-5, 1645 nm, 500 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMIL-1645-800-5, 1645 nm, 800 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMIL-1645-1W-5, 1645 nm, 1 W, cw, stability <5%, PSU-FDA		o.r	o.r

## LASER SYSTEMS IR - 1870 nm



### Diode Laser Systems

- | 90-240 VAC power supply included
- | CW operation mode
- | **Options:** Fiber coupling, modulation, adj. output power, high stability, remote control

**1870 nm**

RLTMDL-1870 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-1870-100-3, 1870 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-1870-200-3, 1870 nm, 200 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-1870-300-3, 1870 nm, 300 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-1870-500-3, 1870 nm, 500 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-1870-800-3, 1870 nm, 800 mW, cw, stability <3%, PSU-FDA		o.r	o.r

## LASER SYSTEMS IR - 1900 nm



### Diode Laser Systems

- | 90-240 VAC power supply included
- | CW operation mode
- | **Options:** Fiber coupling, modulation, adj. output power, high stability, remote control

**1900 nm**

RLTMDL-1900 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-1900-100-3, 1900 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-1900-200-3, 1900 nm, 200 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-1900-300-3, 1900 nm, 300 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-1900-500-3, 1900 nm, 500 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-1900-800-3, 1900 nm, 800 mW, cw, stability <3%, PSU-FDA		o.r	o.r

# LASER SYSTEMS IR - 1910 nm



## Diode Pumped Solid State Laser Systems

- | 90-240 VAC power supply included
- | CW operation
- | Options: Fiber coupling, modulation, adj. output power, high stability, remote control

**1910 nm**

RLTMIL-1910 series   DPSS   CW	Status	EUR / pc	USD / pc
RLTMIL-1910-200-3, 1910 nm, 200 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1910-300-3, 1910 nm, 300 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1910-600-3, 1910 nm, 600 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1910-1W-5, 1910 nm, 1 W, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMIL-1910-3W-5, 1910 nm, 3 W, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMIL-1910-5W-5, 1910 nm, 5 W, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMIL-1910-10W-5, 1910 nm, 10 W, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMIL-1910-13W-5, 1910 nm, 13 W, cw, stability <5%, PSU-FDA		o.r	o.r

# LASER SYSTEMS IR - 1940 nm DIODE



## Diode Laser Systems

- | 90-240 VAC power supply included
- | CW operation mode
- | Options: Fiber coupling, modulation, adj. output power, high stability, remote control

**1940 nm**

RLTMDL-1940 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-1940-100-3, 1940 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-1940-200-3, 1940 nm, 200 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-1940-300-3, 1940 nm, 300 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-1940-500-3, 1940 nm, 500 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-1940-800-3, 1940 nm, 800 mW, cw, stability <3%, PSU-FDA		o.r	o.r

# LASER SYSTEMS IR - 1940 nm DPSS



## Diode Pumped Solid State Laser Systems

- | 90-240 VAC power supply included
- | CW operation
- | Options: Fiber coupling, modulation, adj. output power, high stability, remote control

**1940 nm**

RLTMIL-1940 series   DPSS   CW	Status	EUR / pc	USD / pc
RLTMIL-1940-200-3, 1940 nm, 200 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1940-300-3, 1940 nm, 300 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1940-600-3, 1940 nm, 600 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-1940-1W-5, 1940 nm, 1 W, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMIL-1940-3W-5, 1940 nm, 3 W, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMIL-1940-5W-5, 1940 nm, 5 W, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMIL-1940-10W-5, 1940 nm, 10 W, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMIL-1940-13W-5, 1940 nm, 13 W, cw, stability <5%, PSU-FDA		o.r	o.r

# LASER SYSTEMS IR - 1985/1990 nm



## Diode Pumped Solid State Laser Systems

- | 90-240 VAC power supply included
- | CW operation
- | Options: Fiber coupling, modulation, adj. output power, high stability, remote control

**1985/1990 nm**

RLTMIL-1985 series   DPSS   CW	Status	EUR / pc	USD / pc
RLTMIL-1985-200-5, 1985 nm, 200 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMIL-1985-400-5, 1985 nm, 400 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMIL-1985-600-5, 1985 nm, 600 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMIL-1985-1W-5, 1985 nm, 1 W, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMIL-1985-3W-5, 1985 nm, 3 W, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMIL-1985-5W-5, 1985 nm, 5 W, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMIL-1985-10W-5, 1985 nm, 10 W, cw, stability <5%, PSU-FDA		o.r	o.r

RLTMIL-1990 series   DPSS   CW	Status	EUR / pc	USD / pc
RLTMIL-1990-200-5, 1990 nm, 200 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMIL-1990-400-5, 1990 nm, 400 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMIL-1990-600-5, 1990 nm, 600 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMIL-1990-1W-5, 1990 nm, 1 W, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMIL-1990-3W-5, 1990 nm, 3 W, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMIL-1990-5W-5, 1990 nm, 5 W, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMIL-1990-10W-5, 1990 nm, 10 W, cw, stability <5%, PSU-FDA		o.r	o.r

## LASER SYSTEMS IR - 2096 nm



### Diode Pumped Solid State Laser Systems

- | 90-240 VAC power supply included
- | CW and pulsed systems available
- | **Options:** Fibercoupling, modulation, adj. output power, high stability, remote control

**2096 nm**

RLTMIL-2096 series   DPSS   CW	Status	EUR / pc	USD / pc
RLTMIL-2096-1W-3, 2096 nm, 1 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-2096-2W-3, 2096 nm, 2 W, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMIL-2096-3W-3, 2096 nm, 3 W, cw, stability <3%, PSU-FDA		o.r	o.r

## LASER SYSTEMS IR - 2200 nm



### Diode Laser Systems

- | 90-240 VAC power supply included
- | CW operation mode
- | **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

**2200 nm**

RLTMDL-2200 series   DIODE   CW	Status	EUR / pc	USD / pc
RLTMDL-2200-50-3, 2200 nm, 50 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-2200-100-3, 2200 nm, 100 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-2200-300-3, 2200 nm, 300 mW, cw, stability <3%, PSU-FDA		o.r	o.r
RLTMDL-2200-400-3, 2200 nm, 400 mW, cw, stability <3%, PSU-FDA		o.r	o.r

## LASER SYSTEMS MID IR - 3800 nm



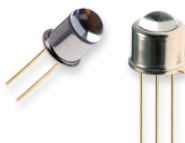
### Diode Pumped Solid State Laser Systems

- | 90-240 VAC power supply included
- | CW and pulsed systems available
- | **Options:** Fibercoupling, modulation, adj. output power, high stability, remote control

**3800 nm**

RLTMPL-3800 series   DPSS   CW	Status	EUR / pc	USD / pc
RLTMIL-3800-100-5, 3800 nm, 100 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMIL-3800-200-5, 3800 nm, 200 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMIL-3800-500-5, 3800 nm, 500 mW, cw, stability <5%, PSU-FDA		o.r	o.r
RLTMIL-3800-1W-5, 3800 nm, 1 W, cw, stability <5%, PSU-FDA		o.r	o.r

## LEDS - THROUGH HOLE - DEEP UV



### Through Hole LEDs

- 3mm, 5mm, TO18 or TO39 can
- quartz glass lens
- **water purification / disinfection / phototherapy**
- DNA sequencing, Blood Gas Measurements**

LEDs Through Hole   DEEP-UV   230 - 340 nm	Status	EUR / pc	USD / pc
<b>230 nm</b>			
UV230-T39L, 230 ±5 nm, 400 µW, 20 mA, ±8°, TO-39, hemispherical lens	<b>NEW</b>	523,80	621,20
<b>255 nm</b>			
UV255-T46L, 255 ±5 nm, 3.0 mW, 20 mA, ±7°, TO-46, hemispherical lens	<b>NEW</b>	66,40	78,75
UVTOP250-HL-TO39, 255 ±5 nm, 0.3 mW, 20 mA, TO-39, hemispherical lens		445,00	527,75
UVTOP250-FW-TO39, 255 ±5 nm, 20 mA, TO-39, flat window		697,80	827,56
UVTOP250-BL-TO39, 255 ±5 nm, 20 mA, TO-39, ball lens		756,10	896,70
<b>265 nm</b>			

UVTOP260-HL-TO39, 265 ±5 nm, 0.6 mW, 20 mA, TO-39, hemispherical lens	301,10	357,09
UVTOP260-FW-TO39, 265 ±5 nm, 20 mA, TO-39, flat window	607,10	720,00
UVTOP260-BL-TO39, 265 ±5 nm, 20 mA, TO-39, ball lens	714,00	846,77

<b>270 nm</b>			
UVTOP265-HL-TO39, 270 ±5 nm, 0.6 mW, 20 mA, TO-39, hemispherical lens		241,90	286,88
<b>275 nm</b>			
UVTOP270-HL-TO39, 275 ±5 nm, 0.6 mW, 20 mA, TO-39, hemispherical lens		212,00	251,42
UVTOP270-FW-TO39, 275 ±5 nm, 20 mA, TO-39, flat window		485,70	576,02
UVTOP270-BL-TO39, 275 ±5 nm, 20 mA, TO-39, ball lens		686,50	814,16
<b>280 nm</b>			
UV280-T46L, 280 ±5 nm, 5.5 mW, 20 mA, ±7°, TO-46, hemispherical lens	<b>NEW</b>	66,40	78,75
DUV280-FW18, 280 ±5 nm, 1.2 mW, 20 mA, ±55°, TO-18, flat window	<b>EOL</b>	131,14	155,53
<b>285 nm</b>			
UVTOP280-HL-TO39, 285 ±5 nm, 0.7 mW, 20 mA, TO-39, hemispherical lens		259,00	307,16
UVTOP280-FW-TO39, 285 ±5 nm, 20 mA, TO-39, flat window		474,40	562,62
UVTOP280-BL-TO39, 285 ±5 nm, 20 mA, TO-39, ball lens		688,00	815,94
<b>295 nm</b>			
UVTOP290-HL-TO39, 295 ±5 nm, 20 mA, TO-39, hemispherical lens		509,90	604,72
UVTOP290-FW-TO39, 295 ±5 nm, 20 mA, TO-39, flat window		425,81	504,99
UVTOP290-BL-TO39, 295 ±5 nm, 20 mA, TO-39, ball lens		607,10	720,00
<b>310 nm</b>			
UVTOP305-HL-TO39, 310 ±5 nm, 20 mA, TO-39, hemispherical lens		485,71	576,03
UVTOP305-FW-TO39, 310 ±5 nm, 20 mA, TO-39, flat window		412,90	489,68
UVTOP305-BL-TO39, 310 ±5 nm, 20 mA, TO-39, ball lens		534,30	633,66
DUV310-OC39, 310 ±5 nm, 2.0 mW, 20 mA, ±72°, TO-39, open can		72,90	86,46
DUV310-FW5, 310 ±5 nm, 1.5 mW, 20 mA, ±58°, TO-39, flat window		80,90	95,94
DUV310-FW18, 310 ±5 nm, 1.2 mW, 20 mA, ±55°, TO-18, flat window		80,90	95,94
DUV310-HL5N, 310 ±5 nm, 0.8 mW, 20 mA, ±3°, TO-39, hemispherical lens		90,70	107,57
DUV310-HL46N, 310 ±5 nm, 0.9 mW, 20 mA, ±3°, TO-46S, hemispherical lens		90,70	107,57
DUV310-HL18M, 310 ±5 nm, 1.2 mW, 20 mA, ±12°, TO-18, hemispherical lens		90,70	107,57
DUV310-HL18W, 310 ±5 nm, 1.3 mW, 20 mA, ±20°, TO-18, hemispherical lens		90,70	107,57
<b>325 nm</b>			
DUV325-OC39, 325 ±5 nm, 2.0 mW, 20 mA, ±72°, TO-39, open can		72,90	86,46
DUV325-FW5, 325 ±5 nm, 1.7 mW, 20 mA, ±58°, TO-39, flat window		80,90	95,94
DUV325-FW18, 325 ±5 nm, 1.2 mW, 20 mA, ±55°, TO-18, flat window		80,90	95,94
DUV325-HL5N, 325 ±5 nm, 0.9 mW, 20 mA, ±3°, TO-39, hemispherical lens		90,70	107,57
DUV325-HL46N, 325 ±5 nm, 1.0 mW, 20 mA, ±3°, TO-46S, hemispherical lens		90,70	107,57
DUV325-HL18M, 325 ±5 nm, 1.5 mW, 20 mA, ±12°, TO-18, hemispherical lens		90,70	107,57
DUV325-HL18W, 325 ±5 nm, 1.4 mW, 20 mA, ±20°, TO-18, hemispherical lens		90,70	107,57
UV325-T46L, 325 ±5 nm, 4 mW, 20 mA, ±6°, TO-46, hemispherical lens	<b>NEW</b>	66,40	78,75
<b>340 nm</b>			
UV340-T46L, 335 +/-5 nm, 4.0 mW, 20 mA, ±7°, TO-46, hemispherical lens	<b>NEW</b>	66,40	78,75
UVLED340-TF, 340 nm, 50 µW, 20 mA, 90°, TO-18		18,50	21,94
DUV340-OC39, 340 ±5 nm, 2.0 mW, 20 mA, ±72°, TO-39, open can		72,90	86,46
DUV340-FW5, 340 ±5 nm, 1.7 mW, 20 mA, ±58°, TO-39, flat window		80,90	95,94
DUV340-FW18, 340 ±5 nm, 1.3 mW, 20 mA, ±55°, TO-18, flat window		80,90	95,94
DUV340-HL5N, 340 ±5 nm, 1.0 mW, 20 mA, ±3°, TO-39, hemispherical lens		90,70	107,57
DUV340-HL46N, 340 ±5 nm, 0.9 mW, 20 mA, ±3°, TO-46S, hemispherical lens		90,70	107,57
DUV340-HL18M, 340 ±5 nm, 1.3 mW, 20 mA, ±12°, TO-18, hemispherical lens		90,70	107,57
DUV340-HL18W, 340 ±5 nm, 1.3 mW, 20 mA, ±20°, TO-18, hemispherical lens		90,70	107,57

## LEDs - THROUGH HOLE - UV



UV-LEDs  
different packages: 3 mm and 5 mm clear epoxy,  
TO packages and SMD packages

LEDs Through Hole   UV   355 - 400 nm	Status	EUR / pc	USD / pc
<b>355 nm</b>			
XSL-355-TF, 355 nm, 0.5 mW, 20 mA, 100°, TO-46 with flat glass window		6,28	7,45
XSL-355-TF4, 355 nm, 1.0 mW, 20 mA, 100°, TO-46 with flat window		9,21	10,92
XSL-355-TB, 355 nm, 0.7 mW, 20 mA, 10°, TO-46 with glass ball lens		9,21	10,92
XSL-355-3E-R6, 355 nm, 2.4-4.0 mW, 20 mA, 30°, 3 mm clear UV-resistant epoxy		9,01	10,69
XSL-355-5E-R6, 355 nm, 1.8-2.4 mW, 20 mA, 15°, 5 mm clear UV-resistant epoxy		9,01	10,69
<b>360 nm</b>			
XSL-360-TF, 360 nm, 1.0 mW, 20 mA, 100°, TO-46 with flat window		8,40	9,96
XSL-360-TB, 360 nm, 0.7 mW, 20 mA, 10°, TO-46 with glass ball lens		8,39	9,95
XSL-360-3E, 360 nm, 1.2-1.8 mW, 20 mA, 30°, 3 mm clear UV-resistant epoxy		7,40	8,78
XSL-360-5E, 360 nm, 1.2-1.8 mW, 20 mA, 15°, 5 mm clear UV-resistant epoxy		7,40	8,78
RLT360-1.5-30-3CC, 361 nm, 1.5 mW, 3x20 mA, 3 chips ~30°, 5 mm clear epoxy	<b>EOL</b>	5,58	6,62
<b>365 nm</b>			
XSL-365-TF, 365 nm, 0.6-0.8 mW, 20 mA, 100°, TO-46 with flat glass window	<b>EOL</b>	6,13	7,27

XSL-365-TF5, 365 nm, 1.5 mW, 20 mA, 100°, TO-46 with flat glass window		7,20	8,54
XSL-365-TB, 365 nm, 0.6-0.8 mW, 20 mA, 10°, TO-46 with glass ball lens	EOL	6,13	7,27
XSL-365-TB4, 365 nm, 1.0 mW, 20 mA, 10°, TO-46 with glass ball lens		7,20	8,54
XSL-365-3E, 365 nm, 4.0-6.0 mW, 20 mA, 30°, 3 mm clear UV-resistant epoxy		5,46	6,48
XSL-365-5E, 365 nm, 4.0-6.0 mW, 20 mA, 15°, 5 mm UV resistant clear epoxy (silicone)		5,48	6,50
XRL-365-5E, 365 nm, 11-14.0 mW, 20 mA, 40°, 5 mm clear UV-resistant epoxy		9,15	10,85
XSL-365-5F, 365 nm, 4.0-6.0 mW, 20 mA, 100°, 5 mm UV resistant clear epoxy (silicone)		5,48	6,50
UVLED365-11E, 365 nm, 4.0 mW, 20 mA, 10°, TO-46 with glass ball lens		5,78	6,85
RLT365-11E, 365 nm, 4 mW, 20 mA, 10°, aluminium housing with UV cut-off filter		50,20	59,54
UVLED365-111E, 365 nm, 5.0 mW at 20 mA, 110°, TO-46 with flat glass window	EOL	5,98	7,09
UVLED365-12E, 365 nm, 8.5 mW, 20 mA, 10°, TO-46 with glass ball lens	NEW	7,62	9,04
RLT365-12E, 365 nm, 7 mW, 20 mA, 10°, TO-46, aluminium housing with UV cut-off filter	NEW	49,83	59,10
UVLED365-121E, 365 nm, 8.5 mW, 20 mA, 100°, TO-46, flat windows	NEW	7,63	9,05
RLT365-121E, 365 nm, 7 mW, 20 mA, 100°, TO-46, aluminium housing with UV cut-off filter	NEW	49,83	59,10
RLT365-10, 365 nm, 1.2 mW, 20 mA, 10°, aluminium housing with UV cut-off filter	EOL	38,00	45,07
LED365-01Z, 365 nm, 5.5 mW, 20 mA, 18°, 5 mm clear UV-resistant epoxy		7,31	8,67
LED365-06Z, 365 nm, 5.5 mW, 20 mA, 8°, 5 mm clear UV-resistant epoxy		6,98	8,28
<b>370 nm</b>			
XSL-370-TF5, 370 nm, 1.2-1.8 mW, 20 mA, 100°, TO-46 with flat glass window		4,10	4,86
XSL-370-TB4, 370 nm, 0.8-1.2 mW, 20 mA, 10°, TO-46 with glass ball lens	EOL	4,50	5,34
XSL-370-TB5, 370 nm, 1.2-1.8 mW, 20 mA, 10°, TO-46 with glass ball lens		5,52	6,55
XSL-370-3E, 370 nm, 6.0-8.4 mW, 20 mA, 30°, 3 mm clear UV-resistant epoxy		4,38	5,19
XSL-370-5E, 370 nm, 6.0-8.4 mW, 20 mA, 15°, 5 mm clear UV-resistant epoxy		4,38	5,19
VL370-5-15, 370 nm, 2.0-4.0 mW, 20 mA, 15°, 5 mm clear epoxy		3,14	3,72
VL370-TH-45, 370 nm, 1.4-2.0 mW, 20 mA, 45°, 5 mm clear epoxy	EOL	3,14	3,72
RLT370-TO-18, 370 nm, 400 µW, 20 mA, 15°, TO-18 with glass ball lens	EOL	6,06	7,19
RLS-UV370, 370 nm, 500 µW, 20 mA, 15°, TO-18 with cap lens	EOL	2,86	3,39
RLS-UV370E, 370 nm, 1 mW, 20 mA, 20°, 5 mm clear epoxy		5,75	6,82
RV1-370-15-5, 370 nm, 4 mW, 20 mA, 15°, 5 mm clear epoxy		2,26	2,68
RLT370-110, 370 nm, 2.0 mW, 20 mA, 110°, aluminium housing with UV cut off-filter	EOL	38,00	45,07
<b>375 nm</b>			
UVLED370-111E, 375 nm, 8.5 mW at 20 mA, 110°, TO-46 with flat glass window		4,94	5,86
UVLED370-12E, 375 nm, 8.5 mW, 20 mA, 10°, TO-46 with glass ball lens	NEW	4,94	5,86
RLT370-12E, 375 nm, 7 mW, 20 mA, 10°, aluminium housing with UV cut off-filter	NEW	49,83	59,10
UVLED370-121E, 375 nm, 8.5 mW, 20 mA, 100°, TO-46, flat windows	NEW	4,94	5,86
RLT370-121E, 375 nm, 7 mW, 20 mA, 100°, aluminium housing with UV cut off-filter	NEW	49,83	59,10
XSL-375-TF-R2, 375 nm, 4-6 mW, 20 mA, 100°, TO-46 with flat window		5,32	6,31
XSL-375-TB4, 375 nm, 0.8-1.2 mW, 20 mA, 10°, TO-46 with glass ball lens		3,32	3,94
XSL-375-TB6, 375 nm, 1.8-2.4 mW, 20 mA, 10°, TO-46 with glass ball lens		5,32	6,31
UVLED375-12E, 375 ±5 nm, 4 mW, 20 mA, ±3°, TO-46, hemispherical lens	NEW	66,40	78,75
XSL-375-3E, 375 nm, 14-17 mW, 20 mA, 30°, 3 mm clear UV-resistant epoxy		4,38	5,19
XSL-375-5E, 375 nm, 6 mW, 20 mA, 15°, 5 mm clear UV-resistant mold		2,52	2,99
XSL-375-5E-R4, 375 nm, 11-14 mW, 20 mA, 15°, 5 mm clear UV-resistant mold		4,38	5,19
XRL-375-5E, 375 nm, 17.4-25.0 mW, 20 mA, 40°, 5 mm clear UV-resistant epoxy		6,08	7,21
LED375-04, 375 nm, 2.5 mW, 20 mA, ±20°, 5 mm clear UV-resistant epoxy		4,82	5,72
LED375-06, 375 nm, 2.5 mW, 20 mA, ±4°, 5 mm clear UV-resistant epoxy		4,99	5,92
LED375-33, 375 nm, 7 mW, 20 mA, ±8°, 3 mm clear UV-resistant epoxy		4,82	5,72
RV2-375-15-5, 375 nm, 4.5 mW, 20 mA, 15°, 5 mm clear epoxy		2,16	2,56
B5M-447-375S, 375 nm, 4 mW, 20 mA, 15°, 5 mm clear UV-resistant epoxy		2,60	3,08
UVLED375-10-30, 375 nm, 15 mW, 15 mA, ±20°, 5 mm clear UV-resistant mold		2,90	3,44
<b>380 nm</b>			
B5M-447-380S, 380 nm, 5 mW, 20 mA, 15°, 5 mm clear UV-resistant epoxy		1,18	1,40
VL380-5-15, 380 nm, 4.0-7.0 mW, 20 mA, 15°, 5 mm clear epoxy		1,96	2,32
RLS-UV380, 380 nm, 8.0-12.0 mW, 20 mA, 20°, 5 mm clear epoxy		1,40	1,66
E1L5M-4POA2-01, 385 nm, 1.5-2.3 mW, 20 mA, 16°, TO-46 ball lens		2,98	3,53
RLS-UV385, 385 nm, 2 mW, 20 mA, 30°, 5 mm clear epoxy	EOL	1,22	1,45
RLU385-2-30, 385 nm, 2 mW, 20 mA, 30°, 5 mm clear epoxy	EOL	2,07	2,45
385D30, 385 nm, FWHM 15 nm, 30°, 3-5 mW, 5 mm clear epoxy	EOL	1,63	1,93
<b>385 nm</b>			
RV3-385-15-5, 385 nm, 8 mW, 20 mA, 15°, 5 mm clear epoxy		2,06	2,44
LED385-03, 385 nm, 18 mW, 20 mA, 18°, 5 mm clear UV-resistant epoxy		4,82	5,72
LED385-33, 385 nm, 18 mW, 20 mA, ±6°, 3 mm clear UV-resistant epoxy		4,82	5,72
<b>390 nm</b>			
VL390-5-15, 390 nm, 8.1-11.5 mW, 20 mA, 15°, 5 mm clear epoxy		1,33	1,58
HUUUV-5102L, 393 nm, FWHM 13 nm, 20°, 2 mW, 5 mm clear epoxy	EOL	0,62	0,74
<b>395 nm</b>			
RLS-UV395, 395 nm, 10-18 mW, 20 mA, 20°, 5 mm clear epoxy		1,03	1,22
B3B-447-CVD, 395 nm, 15 mcd, 20 mA, 30°, 3 mm clear epoxy		1,95	2,31
LED395-33, 395 nm, 18 mW, 20 mA, 16°, 3 mm clear UV-resistant epoxy		4,36	5,17
LED395-01, 395 nm, 18 mW, 20 mA, 14°, 5 mm clear UV-resistant epoxy		4,36	5,17
RV4-395-15-5, 395 nm, 12 mW, 20 mA, 15°, 5 mm clear epoxy		1,50	1,78
XRL-395-5O, 395 nm, 21-29 mW, 25 mA, 15°, 5 mm clear epoxy		8,18	9,70

400 nm		
RLS-UV400, 400 nm, 7-10 mW, 20 mA, 15°, 5 mm clear epoxy	1,22	1,45
LLS-UV400, 400 nm, 18-23 mW, 20 mA, 15°, 5 mm clear epoxy	2,45	2,91
VL400-5-15, 400 nm, 8.1-11.5 mW, 20 mA, 15°, 5 mm clear epoxy	1,33	1,58
XRL-400-5O, 400 nm, 21-29 mW, 25 mA, 15°, 5 mm clear epoxy	8,18	9,70
XRL-400-5E, 400 nm, 21-29 mW, 25 mA, 40°, 5 mm clear epoxy	8,18	9,70

# LEDs - THROUGH HOLE - VISIBLE



UV-LEDs  
different packages: 3 mm and 5 mm clear epoxy,  
TO packages and SMD packages

LEDs Through Hole   WHITE	Status	EUR / pc	USD / pc
<b>GaN</b>			
M5DLS1C1A, warm white, 3000K, 1.3 cd, 20 mA, 120°, SMD 3.2 x 2.8 mm		1,20	1,42
W5DLS1C1A, white, 10000K, 1.9 cd, 20 mA, 120°, PLCC2 SMD 3.2 x 2.8 mm		1,20	1,42
B3B-440-LBS, white, 10.5 cd, 20 mA, 20°, 3 mm clear epoxy		0,90	1,07
B5-430-JD, white, 3.5 cd, 20 mA, 30°, 5 mm clear epoxy		1,10	1,30
HUWH-5101L, white, 3.7 cd, 20 mA, 5 mm clear epoxy	EOL	1,60	1,90
HUWH-3101L, white, 3.7 cd, 20 mA, 3 mm clear epoxy	EOL	1,60	1,90
5W4HCA-P, white, 4.0-4.5 cd, 20 mA, 20°, 5 mm clear epoxy	EOL	1,10	1,30
B5-43SUN-JD, warm white, (sunbeam) 4.5 cd, 20 mA, 30°, 5 mm clear epoxy		1,10	1,30
B5-43SUN-JB, warm white, (sunbeam) 6.0 cd, 20 mA, 20°, 5 mm clear epoxy		1,10	1,30
B5B-430-JB, white, 6.5 cd, 20 mA, 8°, 5 mm clear epoxy		1,10	1,30
5W4HCA-H, white, 7.0-8.0 cd, 20 mA, 20°, 5 mm clear epoxy	EOL	1,62	1,92
5W4HCA-U, white, 13.0-15.0 cd, 20 mA, 20°, 5 mm clear epoxy	EOL	1,92	2,28
RLS-5W-180-S, white, 18.0 cd, 20 mA, 15°, 5 mm clear epoxy		2,04	2,42
5W4HCA-H20-16, white, 18-26 cd, 20 mA, 15 mil chip, 20°, 5 mm clear epoxy	EOL	2,34	2,78
5W4HCA-H30-16, white, 12-17 cd, 20 mA, 15 mil chip, 30°, 5 mm clear epoxy	EOL	2,34	2,78
RLS-5W-200-S, white, 20.0 cd, 20 mA, 15°, 5 mm clear epoxy		2,34	2,78
5W4HCA-H20, white, 20-25 cd, 20 mA, 15 mil chip, 20°, 5 mm clear epoxy	EOL	2,44	2,89
5W4HCA-H20-ULTRA, white, 27-33 cd, 30 mA, 15 mil chip, 20°, 5 mm clear epoxy	EOL	3,60	4,27
PW5111A-Z3, white, 30-36 cd, 20 mA, 15°, x/y 0.31/0.30, 5 mm clear epoxy	EOL	3,70	4,39
W57L5111P, white, 45-60 cd, 50 mA, 15°, 5 mm clear epoxy		3,80	4,51
W54L5111P, white, 75 cd, 50 mA, 15°, 5 mm clear epoxy		3,80	4,51
M57L5111P, warm white, 30-35 cd, 50 mA, 15°, 5 mm clear epoxy		3,80	4,51
<b>ZnSe</b>			
RLZS-2012, white, 200-300mcd, 20 mA, Vf 2.65V, 150°, 2012 SMD		1,49	1,77
<b>RGB</b>			
OS5-RGB-3S, RGB, 625/525/470 nm, 8/14/4 cd @ 20 mA, 30°, 5mm clear epoxy, 4-Pin		1,85	2,19
B5-4RGB-CBA, RGB, 625/525/470 nm, 20°, comm. +, 5 mm clear epoxy		1,86	2,21

LEDs Through Hole   PHOSPHOR COATED	Status	EUR / pc	USD / pc
 <p>5 mm clear epoxy type LEDs based on blue LED with phosphor coating</p>			
K64L5111A, orchid, 8.4 cd, 20 mA, 15°, 5 mm clear epoxy		2,98	3,53
K7DL5111A, purple, 8.4 cd, 20 mA, 15°, 5 mm clear epoxy		2,98	3,53
B64L5111A, Ice blue, 20 cd, 20 mA, 15°, 5 mm clear epoxy		2,98	3,53
C24L5111A, sky blue, 4.5 lm, 20 mA, 15°, 5 mm clear epoxy		2,98	3,53
C34L5111A, cyan, 6.7 lm, 20 mA, 15°, 5 mm clear epoxy		2,98	3,53
CM4L5111A, yolk, 8.2 lm, 20 mA, 15°, 5 mm clear epoxy		2,98	3,53
CG4L5111A, orange peach, 4.4 lm, 20 mA, 15°, 5 mm clear epoxy		2,98	3,53
CA4L5111A, magenta, 3.8 lm, 20 mA, 15°, 5 mm clear epoxy		2,98	3,53

LEDs Through Hole   VIOLET   405 - 440 nm	Status	EUR / pc	USD / pc
<b>405 nm</b>			
5P4FCA, 405 nm, 3-4 mW, 20 mA, 20°, 5 mm clear epoxy	EOL	0,82	0,97
RV5-405-8-5, 405 nm, 14 mW, 20 mA, 8°, 5 mm clear epoxy		1,78	2,11
RV5-405-15-5, 405 nm, 14 mW, 20 mA, 15°, 5 mm clear epoxy		1,78	2,11
RV5-405-3, 405 nm, 14 mW, 20 mA, 30°, 3 mm clear epoxy		1,78	2,11
LED405-01, 405 nm, 18 mW, 20 mA, 14°, 5 mm clear UV-resistant epoxy		3,88	4,60
LED405-03, 405 nm, 18 mW, 20 mA, 16°, 5 mm clear UV-resistant epoxy		3,88	4,60
LED405-33, 405 nm, 18 mW, 20 mA, 16°, 3 mm clear UV-resistant epoxy		3,13	3,71
LED405-30M32, 405 nm, 3 mW, 20 mA, ±15°, TO-18 lenscap		5,60	6,64
B5B-437-CV, 405 nm, FWHM 10 nm, ±8°, 5-7 mW, 5 mm clear epoxy		2,55	3,02
B5-437-CVD, 405 nm, FWHM 10 nm, ±30°, 5-7 mW, 5 mm clear epoxy		2,55	3,02
LC503MUV1-30Q, 405 nm, FWHM 12 nm, 5-6 mW, 30°, 5 mm clear epoxy		5,05	5,99
<b>410 nm</b>			
VL410-5-15, 410 nm, 10.0-16.0 mW, 20 mA, 15°, 5 mm clear epoxy		1,89	2,24
RLS-410-3-25, 410 nm, 3 mW, 20 mA, 25°, 5 mm clear epoxy		2,30	2,73
<b>415 nm</b>			

B5M-447-415S, 415 nm, 9 mW, 20 mA, 15°, 5 mm clear UV-resistant epoxy	1,62	1,92	
VL415-5-15, 415 nm, 10-16 mW, 20 mA, 15°, 5 mm clear epoxy	1,89	2,24	
VL415-3-20, 415 nm, 10-16 mW, 20 mA, 20°, 3 mm clear epoxy	<b>EOL</b>	1,99	2,36
<b>420 nm</b>			
VL420-5-15, 420 nm, 10-16 mW, 20 mA, 15°, 5 mm clear epoxy	1,99	2,36	
LED420-03, 420 nm, 26 mW, 20 mA, ±10°, 5 mm clear UV-resistant epoxy	5,65	6,70	
LED420-06, 420 nm, 31 mW, 20 mA 10° 5 mm epoxy	5,65	6,70	
LED420-33, 420 nm, 15 mW, 20 mA, ±13°, 3 mm clear UV-resistant epoxy	3,90	4,63	
<b>425 nm</b>			
LED425-6-30, 425 nm, 6-8 mW, 20 mA, ±15°, 5 mm epoxy	3,23	3,83	
VL425-5-15, 425 nm, 10-16 mW, 20 mA, 15°, 5 mm clear epoxy	2,78	3,30	
VL425-3-20, 425 nm, 10-16 mW, 20 mA, 20°, 3 mm clear epoxy	<b>EOL</b>	2,88	3,42
<b>430 nm</b>			
VL430-5-15, 430 nm, 10-16 mW, 20 mA, 15°, 5 mm clear epoxy	1,99	2,36	
LED430-01, 430 nm, 27 mW, 20 mA, 16°, 5 mm clear UV-resistant epoxy	3,83	4,54	
LED430-06, 430 nm, 27 mW, 20 mA, 8°, 5 mm clear UV-resistant epoxy	4,85	5,75	
LED430-05U, 430 nm, 10 mcd, 0.3 mW, 20 mA, ±40°, 5 mm epoxy	<b>EOL</b>	1,20	1,42
LED430-33L, 430 nm, 0.3 cd, 4.5 mW, 20 mA, 30°, 3 mm clear UV-resistant epoxy	<b>EOL</b>	2,76	3,27
LED430-33, 430 nm, 27 mW, 20 mA, 26°, 3 mm clear UV-resistant epoxy	3,90	4,63	
<b>435 nm</b>			
LED435-6-30, 435 nm, 5-7 mW, 20 mA, ±15°, 5 mm epoxy	1,99	2,36	
LED435-12-30, 435 nm, 10-14 mW, 20 mA, ±15°, 5 mm epoxy	3,23	3,83	
LED435-01, 435 nm, 25 mW, 20 mA, 16°, 5 mm clear UV-resistant epoxy	3,83	4,54	
LED435-03, 435 nm, 25 mW, 20 mA, 18°, 5 mm clear UV-resistant epoxy	3,83	4,54	
<b>440 nm</b>			
LED440-6-30, 440 nm, 6 mW, 20 mA, ±15°, 5 mm epoxy	1,65	1,96	
VL440-5-15, 440 nm, 10.0-16.0 mW, 20 mA, 15°, 5 mm clear epoxy	1,89	2,24	

LEDs Through Hole   BLUE   450 - 477 nm	Status	EUR / pc	USD / pc
<b>450 nm</b>			
ELD-450-525, 450 nm, 5.2 cd, 20 mA, 20°, 5 mm clear epoxy		1,89	2,24
LED450-01, 450 nm, 24 mW, 20 mA, 16°, 5 mm UV-resistant clear epoxy		2,28	2,70
LED450-03, 450 nm, 24 mW, 20 mA, 18°, 5 mm clear epoxy		2,82	3,34
LED450-33, 450 nm, 20 mW, 1.2 cd, 20 mA, ±13°, 3 mm clear epoxy		2,61	3,10
<b>465 nm</b>			
RLS-B465, 465 nm, 8cd, 20 mA ±15° 5 mm clear epoxy		1,20	1,42
<b>470 nm</b>			
B5B-437-IX, 470 nm, 3.8 cd, 20 mA, 8°, 5 mm clear epoxy		1,20	1,42
B3B-447-IX, 470 nm, 2 cd, 20 mA, 15°, 3 mm clear epoxy		1,20	1,42
LED470-01, 470 nm, 23 mW, 20 mA, ±9°, 5 mm clear epoxy		2,07	2,45
<b>475 nm</b>			
B56L5111P, 475 nm, 20-30 cd, 50 mA, 15°, 5 mm clear epoxy		1,33	1,58
RLS-5B475-S, 477 nm, 3.0-4.0 cd, 20 mA, 15°, 5 mm clear epoxy		1,25	1,48

LEDs Through Hole   GREEN   490 - 545 nm	Status	EUR / pc	USD / pc
<b>490 nm</b>			
LED490-03, 490 nm, 12 mW, 20 mA, 24°, 5 mm clear epoxy		2,07	2,45
LED490-33, 490 nm, 8 cd, 12 mW, 20 mA, 28°, 3 mm epoxy		2,07	2,45
<b>505 nm</b>			
B3B-443-B505, 505 nm, 4 cd, 20 mA, 15°, 3 mm clear epoxy		1,05	1,25
B5-433-B505, 505 nm, 7.0 cd, 20 mA, 5 mm, 15°, clear epoxy		1,05	1,25
B5B-433-B505, 505 nm, 8.0 cd, 20 mA, 5 mm, 8°, clear epoxy		1,05	1,25
ELD-510-524, 507 nm, 15 cd, 20 mA, 15°, 5 mm clear epoxy		1,69	2,00
<b>515 nm</b>			
LED515-10-30, 515 nm, 10 mW, 20 mA, ±15°, 5 mm clear epoxy	<b>EOL</b>	1,40	1,66
G48A5111P, 515 nm, 100 cd, 50 mA, 15°, 5 mm clear epoxy		3,98	4,72
<b>525 nm</b>			
B3B-443-B525, 525 nm, 5.5 cd, 20 mA, 15°, 3 mm clear epoxy		1,05	1,25
B5-433-B525, 525 nm, 7.0-10.0 cd, 20 mA, 5 mm, 15°, clear epoxy		1,15	1,36
B5B-433-B525, 525 nm, 11.0 cd, 20 mA, 5 mm, 8°, clear epoxy		1,05	1,25
LED525-01, 525 nm, 20 cd, 9 mW, 20 mA, ±9°, 5 mm clear epoxy		2,73	3,24
LED525-33, 525 nm, 9 mW at 20 mA, ±14°, 3 mm clear epoxy		2,73	3,24
G58A5111P, 525 nm, 80-100 cd, 50 mA, 15°, 5 mm clear epoxy		2,25	2,67
<b>545 nm</b>			
LED545-01, 545 nm, 3.2 mW, 20 mA, ±8°, 5 mm clear epoxy		4,73	5,61
LED545-04, 545 nm, 3.2 mW, 20 mA, 30°, 5 mm clear epoxy		4,73	5,61
LED545-06, 545 nm, 3.2 mW, 20 mA, ±3°, 5 mm clear epoxy		4,98	5,91

LEDs Through Hole   YELLOW   565 - 590 nm	Status	EUR / pc	USD / pc
<b>565 nm</b>			
B5B-433-014, 565 nm, 0.8 cd, 20 mA, 8°, 5 mm clear epoxy		0,78	0,93
LED565-33U, 565 nm, 0.2 mW, 20 mA, ±26°, 3 mm clear epoxy		0,60	0,71
LED565-03U, 565 nm, 0.2 mW, 20 mA, ±16°, 5 mm clear epoxy		0,60	0,71
G7NU5111A, 566 nm, 1.1 cd, 20 mA, 15°, 5 mm clear epoxy		1,49	1,77
<b>570 nm</b>			
LED570-33, 570 nm, 0.75 mW, 20 mA, ±12°, 3 mm clear epoxy		0,62	0,74
LED570-03, 570 nm, 0.75 mW, 20 mA, 24°, 5 mm clear epoxy		1,62	1,92
G8HD3131E, 570 nm, 2.18 cd, 40 mA, 2 chips, 30°, 3 mm clear epoxy		1,06	1,26
B5B-433-20, 572 nm, 3.0 cd, 20 mA, 8°, 5 mm clear epoxy		1,06	1,26
B5-433-20, 572 nm, 2.5 cd, 20 mA, 15°, 5 mm clear epoxy		1,06	1,26
B5-433-20D, 572 nm, 1.7 cd, 20 mA, 30°, 5 mm clear epoxy		1,06	1,26
<b>590 nm</b>			
B5B-434-TY, 588 nm, 10.0 cd, 20 mA, 8°, 5 mm clear epoxy		1,06	1,26
CY5111A-WY, 590 nm, 22 cd (max. 25 cd), 20 mA, 15°, 5 mm clear epoxy		1,24	1,47
Y5CA5111P, 590 nm, 40-55 cd, 70 mA, 15°, 5 mm clear epoxy		1,57	1,86
5Y3BCA-H, 590 nm, 4.0-4.5 cd, 20 mA, 20°, 5 mm clear epoxy	EOL	0,42	0,50
LED590-33, 590 nm, 4 mW, 20 mA, 28°, 3 mm clear epoxy		0,81	0,96
LED590-03, 590 nm, 4 mW, 20 mA, 30°, 5 mm clear epoxy		0,81	0,96

LEDs Through Hole   ORANGE   600 - 625 nm	Status	EUR / pc	USD / pc
<b>600 nm</b>			
LED600-03, 600 nm, 6.5 cd, 5 mW, 20 mA, 26°, 5 mm clear epoxy		1,62	1,92
<b>605 nm</b>			
B3B-445-30S, 605 nm, 2.0 cd, 20 mA, 20°, 3 mm clear epoxy		1,06	1,26
B5-435-30S, 605 nm, 4.0 cd, 20 mA, 15°, 5 mm clear epoxy		1,06	1,26
B5B-435-30S, 605 nm, 5.0 cd, 20 mA, 8°, 5 mm clear epoxy		1,06	1,26
O5CA5111P, 605 nm, 40-55 cd, 70 mA, 15°, 5 mm clear epoxy		1,82	2,16
<b>610 nm</b>			
LED610-03, 610 nm, 7.5 cd, 8 mW, 20 mA, 30°, 5 mm clear epoxy		1,17	1,39
<b>615 nm</b>			
B3B-445-30, 615 nm, 2.0 cd, 20 mA, 20°, 3 mm clear epoxy		1,06	1,26
B5-435-30, 615 nm, 4.0 cd, 20 mA, 15°, 5 mm clear epoxy		1,06	1,26
B5B-435-30, 615 nm, 5.0 cd, 20 mA, 8°, 5 mm clear epoxy		1,06	1,26
<b>620 nm</b>			
5RKA5111P, 620 nm, 70-80 cd, 70 mA, 15°, 5 mm clear epoxy		1,68	1,99
<b>625 nm</b>			
B3B-445-TL, 625 nm, 7 cd, 20 mA, 15°, 3 mm clear epoxy		1,06	1,26
B5-435-TL, 625 nm, 10 cd, 20 mA, 15°, 5 mm clear epoxy		1,06	1,26
B5B-435-TL, 625 nm, 12 cd, 20 mA, 8°, 5 mm clear epoxy		1,06	1,26
LED625-03, 625 nm, 9 mW, 20 mA, 26°, 5 mm clear epoxy		0,99	1,17
CR5111A-WY, 625 nm, 22 cd (max. 25 cd), 20 mA, 15°, 5 mm clear epoxy		1,24	1,47
R5CA5111P, 625 nm, 40-55 cd, 70 mA, 15°, 5 mm clear epoxy		1,57	1,86
5RAA5111P, 625 nm, 60-75 cd, 60 mA, 15°, 5 mm clear epoxy		1,68	1,99

LEDs Through Hole   RED   630 - 700 nm	Status	EUR / pc	USD / pc
<b>630 nm</b>			
LED630-03, 630 nm, 12 mW, 20 mA, 28°, 5 mm epoxy		1,17	1,39
<b>645 nm</b>			
LED645-03, 645 nm, 11 mW, 20 mA, 24°, 5 mm epoxy		1,17	1,39
<b>650 nm</b>			
ELD-650-523, 650 nm, 1 cd, 20 mA, 20°, 5 mm clear epoxy		3,30	3,91
<b>655 nm</b>			
RLS-655-3-25, 655 nm, 3 mW, 20 mA, 25°, 5 mm clear epoxy		2,30	2,73
<b>660 nm</b>			
B3B-446-30, 660 nm, 2.1 cd, 20 mA, 20°, 3 mm clear epoxy		1,06	1,26
B5B-436-30, 660 nm, 3.5 cd, 20 mA, 8°, 5 mm clear epoxy		1,06	1,26
B5-436-30D, 660 nm, 1.3 cd, 20 mA, 30°, 5 mm clear epoxy		1,06	1,26
LED660N-03, 660 nm, 2.4 cd, 15 mW, 20 mA, ±12°, 5 mm clear epoxy		1,62	1,92
<b>670 nm</b>			
ELD-670-524, 670 nm, 3.5 mW, 20 mA, 20°, 5 mm clear epoxy		4,33	5,14
LED670-01V, 670 nm, 7 mW, 20 mA, 20°, 5 mm epoxy		3,98	4,72
<b>680 nm</b>			
LED680-4-30, 680 nm, 4-5 mW, 20 mA, ±15°, 5 mm clear epoxy		3,40	4,03
LED680-01AU, 680 nm, 25 mW/sr, 4 mW, 20 mA, ±10°, 5 mm clear epoxy		3,98	4,72
LED680-02AU, 680 nm, 25 mW/sr, 4 mW, 20 mA, ±7°, 5 mm clear epoxy		3,98	4,72
LED680-33AU, 680 nm, 5.8 mW, 20 mA, ±16°, 3 mm clear epoxy		3,80	4,51
ELD-680-524, 680 nm, 3.5 mW, 20 mA, 20°, 5 mm clear epoxy		1,98	2,35
<b>690 nm</b>			
LED690-01AU, 690 nm, 6 mW, 20 mA, ±10°, 5 mm clear epoxy		3,80	4,51
LED690-03AU, 690 nm, 6 mW, 20 mA, ±10°, 5 mm clear epoxy		3,80	4,51
LED690-33AU, 690 nm, 6 mW, 20 mA, ±16°, 3 mm clear epoxy		3,80	4,51

<b>700 nm</b>		
ELD-700-524, 700 nm, 10 mW, 50 mA, 20°, 5 mm clear epoxy	4,13	4,90
IB5-43B8-700, 700 nm, 250 mW/sr, 20 mA, 15°, 5 mm clear epoxy	3,70	4,39
LED700-02AU, 700 nm, 54 mW/sr, 5.5 mW, 20 mA, ±8°, 5 mm clear epoxy	3,98	4,72
LED700-04AU, 700 nm, 21 mW/sr, 5.5 mW, 20 mA, ±19°, 5 mm clear epoxy	3,98	4,72
LED700-33AU, 700 nm, 27 mW/sr, 5.5 mW, 20 mA, ±19°, 3 mm clear epoxy	3,80	4,51

## LEDS - THROUGH HOLE - INFRARED



UV-LEDs  
different packages: 3 mm and 5 mm clear epoxy,  
TO packages and SMD packages

LEDs Through Hole   IR   710 - 800 nm	Status	EUR / pc	USD / pc
<b>710 nm</b>			
LED710-01AU, 710 nm, 60 mW/sr, 13 mW, 50 mA, ±10°, 5 mm clear epoxy		3,80	4,51
LED710-04AU, 710 nm, 30 mW/sr, 13 mW, 50 mA, ±20°, 5 mm clear epoxy	<b>EOL</b>	3,80	4,51
LED710-33AU, 710 nm, 30 mW/sr, 13 mW, 50 mA, ±18°, 3 mm clear epoxy		3,80	4,51
<b>720 nm</b>			
LED720-03AU, 720 nm, 7.0 mW, 20 mA, 18°, 5 mm clear epoxy		3,28	3,89
ELD-720-524, 720 nm, 7 mW, 20 mA, 20°, 5 mm clear epoxy		4,13	4,90
LED720-33AU, 720 nm, 7.0 mW, 20 mA, 40°, 3 mm clear epoxy		3,28	3,89
<b>730 nm</b>			
IB5-43B8-730, 730 nm, 200 mW/sr, 20 mA, 15°, 5 mm clear epoxy		3,10	3,68
<b>735 nm</b>			
LED735-01AU, 735 nm, 18 mW, 50 mA, 20°, 5 mm clear epoxy		3,18	3,77
<b>740 nm</b>			
ELD-740-354, 740 nm, 19 mW, 50 mA, 50°, 3 mm clear epoxy		3,43	4,07
ELD-740-524, 740 nm, 14 mW, 50 mA, 20°, 5 mm clear epoxy		3,43	4,07
LED740-01AU, 740 nm, 18 mW, 50 mA, 20°, 5 mm clear epoxy		3,18	3,77
LED740-03AU, 740 nm, 18 mW, 50 mA, 30°, 5 mm clear epoxy		3,18	3,77
<b>750 nm</b>			
LED750-33AU, 750 nm, 25 mW, 50 mA, 36°, 3 mm clear epoxy		3,18	3,77
LED750-03AU, 750 nm, 25 mW, 50 mA, 20°, 5 mm clear epoxy		3,18	3,77
<b>760 nm</b>			
LED760-03AU, 760 nm, 19 mW, 50 mA, ±10°, 5 mm clear epoxy		3,18	3,77
LED760-05AU, 760 nm, 19 mW, 50 mA, ±55°, 5 mm clear epoxy		3,36	3,98
LED760-33AU, 760 nm, 27 mW, 50 mA, 36°, 3 mm epoxy		3,18	3,77
LED760-40M32, 760 nm, 10 mW, 50 mA, 20°, TO-18, ball lens		9,12	10,82
<b>765 nm</b>			
IB5-43B8-765, 765 nm, 150 mW/sr, 20 mA, 15°, 5 mm clear epoxy		3,10	3,68
<b>770 nm</b>			
LED770-6-30, 770 nm, 6-7 mW, 20 mA, ±15°, 5 mm clear epoxy	<b>EOL</b>	2,90	3,44
LED770-03AU, 770 nm, 18 mW, 50 mA, ±15°, 5 mm clear epoxy		3,18	3,77
ELD-770-324, 770 nm, 15 mW, 50 mA, 20°, 3 mm clear epoxy		3,43	4,07
ELD-770-524, 770 nm, 20 mW, 50 mA, 20°, 5 mm clear epoxy		3,43	4,07
<b>780 nm</b>			
LED780-03AU, 780 nm, 24 mW, 50 mA, 20°, 5 mm clear epoxy		3,18	3,77
LED780-33AU, 780 nm, 24 mW, 50 mA, 36°, 3 mm clear epoxy		3,18	3,77
I2CA5111A, 780 nm, 50 mW, 50 mA, 15°, 5 mm clear epoxy	<b>NEW</b>	1,82	2,16
I2CA3111A, 780 nm, 50 mW, 50 mA, 15°, 3 mm clear epoxy	<b>NEW</b>	1,82	2,16
ELD-780-524, 780 nm, 16 mW, 50 mA, 18°, 40 ns, 5 mm clear epoxy		3,43	4,07
ELD-780-525, 780 nm, 45 mW, 100 mA, 20°, 20 ns, 5 mm clear epoxy		3,43	4,07
<b>800 nm</b>			
LED800-01AU, 800 nm, 27 mW, 50 mA, ±17°, 5 mm clear epoxy		2,44	2,89

LEDs Through Hole   IR   810 - 900 nm	Status	EUR / pc	USD / pc
<b>810 nm</b>			
ELD-810-525, 810 nm, 45 mW, 100 mA, 20°, 5 mm clear epoxy		5,23	6,20
ELD-810-345, 810 nm, 18 mW, 50 mA, 30°, 3 mm clear epoxy		4,37	5,18
LED810-03AU, 810 nm, 24 mW, 50 mA, 22°, 5 mm clear epoxy		2,54	3,01
LED810-33AU, 810 nm, 24 mW, 50 mA, 38°, 3 mm clear epoxy		2,54	3,01
<b>820 nm</b>			
LED820-01AU, 820 nm, 18 mW, 50 mA, ±10°, 5 mm clear epoxy		2,54	3,01
<b>830 nm</b>			
IB5-43B8-830, 830 nm, 100 mW/sr, 20 mA, 15°, 5 mm clear epoxy		2,40	2,85
LED830-03AU, 830 nm, 20 mW, 50 mA, ±15°, 5 mm clear epoxy		2,74	3,25
LED830-33AU, 830 nm, 27 mW, 50 mA, 36°, 3 mm epoxy		2,54	3,01

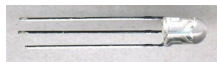
<b>840 nm</b>				
LED840-04AU, 840 nm, 20 mW, 50 mA, $\pm 20^\circ$ , 5 mm clear epoxy	<b>EOL</b>	2,54	3,01	
ELD-840-515, 840 nm, 15 mW, 100 mA, $11^\circ$ , 5 mm clear epoxy		3,43	4,07	
<b>850 nm</b>				
B5B-850-8, 850 nm, 34 mW, 100 mA, $\pm 8^\circ$ , 5 mm clear epoxy		1,82	2,16	
I3NA5111A, 850 nm, 60 mW/sr, 100 mA, $15^\circ$ , 5 mm clear epoxy		1,52	1,80	
ELD-850-394, 850 nm, 18 mW, 50 mA, $90^\circ$ , 3 mm clear epoxy		3,60	4,27	
ELD-850-525, 850 nm, 11 mW, 20 mA, $20^\circ$ , 5 mm clear epoxy		3,60	4,27	
LED850-03UP, 850 nm, 28 mW, 50 mA, $22^\circ$ , 5 mm clear epoxy		2,21	2,62	
LED850-05UP, 850 nm, 26 mW, 50 mA, $\pm 40^\circ$ , 5 mm clear epoxy		2,30	2,73	
<b>870 nm</b>				
LED870-01UP, 870 nm, 24 mW, 50 mA, $20^\circ$ , 5 mm clear epoxy		2,12	2,51	
LED870F-03U, 870 nm, 22 mW, 50 mA, $30^\circ$ , 5 mm, tr/ff 15/10ns		2,54	3,01	
LED870-03UP, 870 nm, 28 mW, 50 mA, $22^\circ$ , 5 mm epoxy		2,12	2,51	
LED870-33UP, 870 nm, 28 mW, 50 mA, $40^\circ$ , 3 mm epoxy		2,12	2,51	
ELD-870F-515-2, 870 nm, 16 mW, 100 mA, tr/ff 5 ns, $8^\circ$ , 5 mm epoxy		5,25	6,23	
<b>880 nm</b>				
IR5-XCA880, 880 nm, 65 mW at 100 mA, $20^\circ$ , 5mm clear epoxy		1,99	2,36	
ELD-880-525, 880 nm, 45 mW, 100 mA, $20^\circ$ , 5 mm clear epoxy		3,43	4,07	
RLS-IR880, 880 nm, 10 mW/sr, 20 mA, $\pm 20^\circ$ , 5 mm clear epoxy		3,43	4,07	
LED880-33AU, 880 nm, 25 mW, 50 mA, $\pm 19^\circ$ , 3 mm clear epoxy		2,02	2,40	
<b>890 nm</b>				
LED890-03AU, 890 nm, 15 mW, 50 mA, $\pm 15^\circ$ , tr/ff 200/300 ns, 5 mm clear epoxy		1,94	2,30	
LED890-33AU, 890 nm, 15 mW, 50 mA, $40^\circ$ , 3 mm epoxy		1,94	2,30	
<b>900 nm</b>				
B5B-900-8, 895 nm, 48 mW/sr, 50 mA, $8^\circ$ , 5 mm clear epoxy		2,72	3,23	
ELD-900-525, 900 nm, 45 mW, 100 mA, $20^\circ$ , 5 mm clear epoxy		5,59	6,63	

LEDs Through Hole   IR   910 - 980 nm	Status	EUR / pc	USD / pc	
<b>910 nm</b>				
LED910D-01, 910 nm, 13 mW, 50 mA, $22^\circ$ , 5 mm epoxy		2,10	2,49	
LED910D-33, 910 nm, 13 mW, 50 mA, $30^\circ$ , 3 mm epoxy		2,10	2,49	
ELD-910-525, 910 nm, 28 mW, 100 mA, $20^\circ$ , 5 mm clear epoxy		3,43	4,07	
<b>935 nm</b>				
ELD-935-525, 935 nm, 30 mW, 100 mA, 500 ns, $20^\circ$ , 5 mm clear epoxy		4,33	5,14	
<b>940 nm</b>				
I5LA5113A, 940 nm, 35 mW/sr, 100 mA, $15^\circ$ , 5 mm transparent epoxy		0,89	1,06	
OPE5594S, 940 nm, 16 mW, 100 mA, $10^\circ$ , 5 mm clear epoxy	<b>EOL</b>	0,80	0,95	
B5B-940-8, 940 nm, 20 mW, 100 mA, $\pm 8^\circ$ , 5 mm clear epoxy		0,99	1,17	
LED940-06V, 940 nm, 18.0 mW, 150 mW/sr, 50 mA, $\pm 7^\circ$ , 5 mm clear epoxy	<b>EOL</b>	1,80	2,13	
LED940-33, 940 nm, 15 mW, 50 mA, $50^\circ$ , 3 mm clear epoxy		1,38	1,64	
LED940D-05, 940 nm, 25 mW, 50 mA, $90^\circ$ , 5 mm clear epoxy		1,86	2,21	
LED940-40K42, 940 nm, 18.0 mW, TO-46, cap lens	<b>EOL</b>	4,85	5,75	
<b>960 nm</b>				
ELD-960-525, 960 nm, 20 mW, 100 mA, $20^\circ$ , 5 mm clear epoxy		5,19	6,16	
<b>970 nm</b>				
LED970-02, 970 nm, 25 mW/sr, 5.5 mW, 50 mA, $14^\circ$ , 5 mm clear epoxy	<b>EOL</b>	1,94	2,30	
LED970-06, 970 nm, 25 mW/sr, 5.5 mW, 50 mA, $14^\circ$ , 5 mm clear epoxy	<b>EOL</b>	1,84	2,18	
LED970D-03, 970 nm, 30 mW, 50 mA, $24^\circ$ , 5 mm epoxy		2,28	2,70	
LED970D-33, 970 nm, 30 mW, 50 mA, $34^\circ$ , 3 mm epoxy		2,28	2,70	
<b>980 nm</b>				
LED980-02, 980 nm, 17 mW, 50 mA, $18^\circ$ , 5 mm clear epoxy	<b>EOL</b>	1,99	2,36	
LED980-03, 980 nm, 17 mW, 50 mA, $22^\circ$ , 5 mm clear epoxy	<b>EOL</b>	1,99	2,36	
LED980D-03, 980 nm, 30 mW, 50 mA, $\pm 12^\circ$ , 5 mm clear epoxy		2,52	2,99	
LED980D-33, 980 nm, 30 mW, 50 mA, $34^\circ$ , 3 mm epoxy		2,28	2,70	

LEDs Through Hole   IR   1020 - 1720 nm	Status	EUR / pc	USD / pc	
<b>1020 nm</b>				
ELD-1020-525, 1020 nm, 4.0 mW @ 20 mA, tr/ff 20/40 ns, $20^\circ$ , 5 mm clear epoxy		9,12	10,82	
<b>1040 nm</b>				
DIL5104, 1040 nm, 9 mW, 20 mA, $30^\circ$ , 5 mm clear epoxy		5,40	6,40	
<b>1050 nm</b>				
LED1050D-03, 1050 nm, 10mW, 50 mA, $\pm 13^\circ$ , 5 mm clear epoxy		9,72	11,53	
LED1050G-33, 1050 nm, 15 mW, 50 mA, $\pm 21^\circ$ , 3 mm clear epoxy		16,28	19,31	
LED1050G-03, 1050 nm, 15 mW, 50 mA, $\pm 12^\circ$ , 5 mm clear epoxy	<b>EOL</b>	16,28	19,31	
LED1050-35K42, 1050 nm, 1.5 mW, 50 mA, tr/ff 10 ns, $\pm 6^\circ$ , TO-46, cap lens		16,61	19,70	
LED1050-35T52, 1050 nm, 1 mW, 50 mA, tr/ff 10 ns, $\pm 55^\circ$ , TO		16,61	19,70	

<b>1060 nm</b>			
ELD-1060-525, 1060 nm, 1.6 mW, 20 mA, tr/ff 10ns, 20°, 5 mm clear epoxy		9,12	10,82
LED1060-03EP, 1060±30 nm, 4.0 mW, 20 mA, 30°, 5 mm clear epoxy		13,83	16,40
<b>1070 nm</b>			
LED1070-06, 1070 nm, 9 mW, 50 mA, ±10°, 5 mm clear epoxy	<b>EOL</b>	8,21	9,74
LED1070-36, 1070 nm, 9 mW, 50 mA, ±31°, 3 mm clear epoxy	<b>EOL</b>	8,86	10,51
LED1070S-36, 1070 nm, 10.5 mW, 50 mA, 56°, 3 mm clear epoxy		10,76	12,76
<b>1200 nm</b>			
DIL5120, 1200 nm, 3.5 mW, 20 mA, 30°, 5 mm clear epoxy		6,30	7,47
ELD-1200-525, 1200 nm, 1.5 mW, 20 mA, 20°, tr/ff 25/40 ns, 5 mm clear epoxy		9,12	10,82
LED1200S-03, 1200 nm, 9.2 mW, 50 mA, 28°, 5 mm clear epoxy		12,20	14,47
LED1200S-35K42, 1200 nm, 6 mW, 50 mA, 20°, TO-46, cap lens		15,58	18,48
LED1200-35M32, 1200 nm, 5.5 mW, 50 mA, 24°, TO-18, cap lens		15,46	18,33
<b>1300 nm</b>			
ELD-1300-525, 1300 nm, 2.2 mW, 20 mA, tr/ff 10 ns, 25°, 5 mm clear epoxy		8,19	9,71
LED1300S-33, 1300 nm, 9 mW, 50 mA, 46°, 3 mm clear epoxy		12,20	14,47
LED1300D-03, 1300 nm, 10.5 mW, 50 mA, 28°, 5 mm clear epoxy		12,60	14,94
DIL5130, 1300 nm, 3.5 mW, 20 mA, 30°, 5 mm clear epoxy		6,30	7,47
LED1300-35M32, 1300 nm, 3 mW, 50 mA, ±15°, TO-46, cap lens		15,46	18,33
LED1300-35K42, 1300 nm, 2 mW, 50 mA, ±6°, TO-46, cap lens		16,61	19,70
<b>1440 nm</b>			
DIL5144, 1440 nm, 2 mW, 20 mA, 30°, 5 mm clear epoxy		6,30	7,47
<b>1450 nm</b>			
LED1450-03, 1450 nm, 3 mW, 50 mA, ±12°, 5 mm clear epoxy	<b>EOL</b>	10,52	12,48
LED1450S-03, 1450 nm, 4.8 mW, 50 mA, 28°, 5 mm clear epoxy		12,20	14,47
LED1450S-33, 1450 nm, 4.8 mW, 50 mA, 46°, 3 mm clear epoxy		12,20	14,47
LED1450-35K42, 1450 nm, 2.5 mW, 50 mA, 12°, TO-46, cap lens		14,97	17,75
ELD-1450-525, 1450 nm, 1.8 mW, 20 mA, 20°, 5 mm clear epoxy		8,19	9,71
<b>1500 nm</b>			
ELD-1500-525, 1500 nm, 3.3 mW, 20 mA, 20°, 5 mm clear epoxy		8,19	9,71
<b>1550 nm</b>			
ELD-1550-525, 1550 nm, 3.3 mW, 20 mA, tr/ff 10 ns, 20°, 5 mm clear epoxy		9,12	10,82
LED1550S-03, 1550 nm, 3.8 mW, 50 mA, ±13°, 5 mm clear epoxy		12,20	14,47
LED1550-35M32, 1550 nm, 2.0 mW, 50 mA, ±15°, TO-46		17,10	20,28
LED1550S-35K42, 1550 nm, 2.4 mW, 50 mA, 18°, TO-46, cap lens		18,18	21,56
<b>1650 nm</b>			
DIL5165, 1650 nm, 2 mW, 20 mA, 30°, 5 mm clear epoxy		6,30	7,47
ELD-1650-525, 1650 nm, 1.5 mW, 20 mA, 20°, 5 mm clear epoxy		12,50	14,82
LED1650-33, 1650 nm, 2.0 mW, 50 mA, ±21°, 3 mm clear epoxy	<b>EOL</b>	10,52	12,48
LED1650S-03, 1650 nm, 2.3 mW, 50 mA, 24°, 5 mm clear epoxy	<b>EOL</b>	12,20	14,47
<b>1720 nm</b>			
ELD-1720-015, 1720 nm, 1.0 mW, 20 mA, tr/ff 15 ns, 6°, TO-46 with hemisph. lens		27,50	32,61

## LEDS - DUAL WAVELENGTH



series of dual wavelength LEDs  
5 mm clear epoxy, contains **2 chip dies**

custom wavelengths available on request

LEDs Dual Wavelength	Status	EUR / pc	USD / pc
LED505/630-02A, 505/630 nm, 1.3/2.5 mW, 20 mA, ±20°, 5 mm epoxy		4,96	5,88
LED565/660-04A, 565/660 nm, 0.2/4.0 mW, 20 mA, ±20°, 5 mm epoxy		o.r.	o.r.
LED625/470-3S, 625/470 nm, 8500/4000 mcd @ 20 mA, 30°, 5 mm clear epoxy, 3-Pin		1,39	1,65
LED625/525-3S, 625/525 nm, 7000/8500 mcd @ 20 mA, 30°, 5 mm clear epoxy, 3-Pin		1,39	1,65
LED625/570-3S, 625/570 nm, 1600/1100 mcd @ 20 mA, 30°, 5 mm clear epoxy, 3-Pin		1,07	1,27
LED635/760-04A, 635/760 nm, 1.5/4.0 mW, 20 mA, ±20°, 5 mm epoxy		4,96	5,88
LED660N/850-04A, 660/850 nm, 12.0/9.2 mW, 20 mA, ±20°, 5 mm epoxy		4,19	4,97
LED660/910-04A, 660/910 nm, 4.5/2.5 mW, 20 mA, ±20°, 5 mm epoxy		o.r.	o.r.
LED660N/940-04A, 660/940 nm, 15.0/5.0 mW, 20 mA, ±20°, 5 mm epoxy		4,24	5,03
LED750/850-04A, 750/850 nm, 15/18 mW, 20 mA, ±20°, 5 mm epoxy		3,48	4,13
LED750/870-04A, 750/870 nm, 15/22 mW, 20 mA, ±20°, 5 mm epoxy		3,97	4,71
LED760/850-04A, 760/850 nm, 15/18 mW, 20 mA, ±20°, 5 mm epoxy		3,48	4,13
LED760/850-05A, 760/850 nm, 24/24 mW, 50 mA, ±40°, flat front surface, 5 mm epoxy		3,97	4,71
LED760/940-04A, 760/940 nm, 15/14 mW, 20 mA, ±20°, 5 mm epoxy		o.r.	o.r.
LED780/850-05A, 780/850 nm, 17/18 mW, 20 mA, ±40°, flat front surface, 5 mm epoxy		3,78	4,48

## LEDS - SELF MONITORING



LED series in TO18 package  
with **integrated monitoring photodiode**  
3 pins, sealed with flat glass window

custom wavelengths available on request

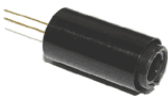
LEDs SELF MONITORING	Status	EUR / pc	USD / pc
LED610-PD010-35D54, 610 nm, 0.8 mW, 20 mA, monitor PD, $\pm 55^\circ$ , flat glass window, TO-18		32,80	38,90
LED780-PD010-40D52, 780 nm, 12 mW, 50 mA, monitor PD, $\pm 55^\circ$ , flat glass window, TO-18		72,60	86,10

## LEDs - RESONANT CAVITY



RC-LED (resonant cavity LED)  
wavelength typ. 650 nm, power 1.0 - 1.5 mW  
package: TO-46 flat window, SMD, chip die

LEDs RC   650 nm	Status	EUR / pc	USD / pc
RC650-TO46FW, RC-LED, 650 nm, 1.0 mW, 20 mA, 90°, TO-46, flat window		15,70	18,62
RC650-SMD85, RC-LED, 650 nm, 1 mW, SMD 1.6x0.8x0.6 mm		9,45	11,21
RC650-C25R, RC-LED chip die 650 nm, $\varnothing 25 \mu\text{m}$		o.r.	o.r.

LEDs RC MODULE   650 nm	Status	EUR / pc	USD / pc
 <p>visible 650 nm RC-LED in anodized aluminium header with adjustable 3-lens glass collimator ultra narrow beam, very fast, perfect round spot</p>		51,80	61,43
RC-LED-650-02, 650 nm, RC-LED module, 0.2 mW, 5.5 mrad, tr/ff 3 ns, $\varnothing 10 \times 18 \text{ mm}$			


## LEDs - SMD

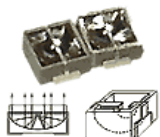


SMD LEDs  
wavelengths from UV to IR  
custom wavelengths and packages available on request

LEDs SMD   UV   355 - 400 nm	Status	EUR / pc	USD / pc
M5DLS1C1A, warm white, 3000K, 1.3 cd, 20 mA, 120°, SMD 3.2 x 2.8 mm		1,20	1,42
W5DLS1C1A, white, 10000K, 1.9 cd, 20 mA, 120°, PLCC2 SMD 3.2 x 2.8 mm		1,20	1,42
RLCU-355, 353-360 nm, typ. 1.3 mW, 20 mA, 120°, ceramic SMD, 3.0x2.0x1.0 mm		12,89	15,29
360-PLCC2-120, 360 nm, 500 $\mu\text{W}$ , 20 mA, 120°, SMD PLCC, 2.70 x 3.50 x 1.90 mm	EOL	2,64	3,13
XSL-360-SD, 360 nm, 0.9 mW, 20 mA, 100°, ceramic SMD, 3.5x2.7x1.8 mm	EOL	4,29	5,09
XSL-365-SD, 365 nm, 1.2 mW, 20 mA, 100°, ceramic SMD, 3.5x2.7x1.8 mm	EOL	4,29	5,09
UVLED365-SMD, 365 nm, 3.0 mW, 20 mA, 100°, SMD 3.0x2.0x1.2 mm	EOL	2,55	3,02
UVLED365E-SMD, 365 nm, 5.0 mW, 20 mA, 100°, SMD 3.0x2.0x1.2 mm		3,39	4,02
RLCU-365, 363-370 nm, typ. 12 mW, 20 mA, 120°, ceramic SMD, 3.0x2.0x1.0 mm		12,89	15,29
XSL-370-SD, 370 nm, 2.0 mW, 20 mA, 100°, ceramic SMD, 3.5x2.7x1.8 mm	EOL	2,39	2,83
VL370-3228, 370 nm, 2.0-2.5 mW, 20 mA, 120°, SMD 3.6x2.9x0.8 mm	EOL	2,60	3,08
RLS370SMD0805, 370 nm, 1 mW, 20 mA, 120°, SMD 0805	EOL	2,50	2,96
XSL-375-SD, 375 nm, 3.5 mW, 20 mA, 100°, ceramic SMD, 3.5x2.7x1.8 mm	EOL	2,73	3,24
RLCU-375, 375-380 nm, typ. 6 mW, 20 mA, 120°, ceramic SMD, 3.0x2.0x1.0 mm		8,25	9,78
UVLED375-SMD, 375 nm, 5.0 mW, 20 mA, 100°, SMD 3.0x2.0x1.2 mm	EOL	1,79	2,12
UVLED375E-SMD, 375 nm, 13 mW, 20 mA, 100°, SMD 3.0x2.0x0.7 mm		3,20	3,80
RLCU-380, 380-385 nm, typ. 10 mW, 20 mA, 120°, ceramic SMD, 3.0x2.0x1.0 mm		8,25	9,78
RLCU-390, 390-395 nm, typ. 16 mW, 20 mA, 120°, ceramic SMD, 3.0x2.0x1.0 mm		8,25	9,78
RLCU-400, 400-405 nm, typ. 16mW, 20 mA, 120°, ceramic SMD, 3.0x2.0x1.0 mm		8,25	9,78
LEDs SMD   VIOLET   405 - 430 nm	Status	EUR / pc	USD / pc
SMT405R, 405 nm, 18 mW, 20 mA, 120°, SMD, 3.5x2.7x1.8 mm		4,13	4,90
RV5-405-SMD, 405 nm, 14 mW, 20 mA, 120°, SMD 3.5x2.8x1.9 mm		1,78	2,11
RLCU-410, 410-415 nm, typ. 16 mW, 20 mA, 120°, ceramic SMD, 3x2x1 mm		2,73	3,24
RLCU-415, 415-420 nm, typ. 16 mW, 20 mA, 120°, ceramic SMD, 3x2x1 mm		2,64	3,13
RLCU-420, 420-425 nm, typ. 16 mW, 20 mA, 120°, ceramic SMD, 3x2x1 mm		2,58	3,06
SMC430, 430 nm, 18 mW, 20 mA, 120°, ceramic SMD, 3.0x2.0x1.1 mm		3,10	3,68
RLCU-430, 425-435 nm, 8 mW, 30 mA, 120°, ceramic SMD, 3x2x1 mm		3,10	3,68
LEDs SMD   BLUE   460 - 490 nm	Status	EUR / pc	USD / pc
RLCU-460, 460 nm, 300 mcd at 20mA, 120°, ceramic SMD, 3x2x1mm		3,15	3,74
SMC490, 490 nm, 6.8 mW, 20 mA, 128°, ceramic SMD, 3.0x2.0x1.1 mm		4,42	5,24

LEDs SMD   GREEN   505 - 565 nm	Status	EUR / pc	USD / pc
SMT505, 505 nm, 11 mW, 20 mA, 122°, SMD, 3.5x2.7x1.8 mm		2,56	3,04
RLCU-525, 525 nm, 450 mcd at 20mA, 120°, ceramic SMD, 3x2x1mm		1,08	1,28
RLCU-545, 545 nm, 900 mcd at 20mA, 120°, ceramic SMD, 3x2x1mm		2,64	3,13
SMC565, 565 nm, 0.1 mW, 20 mA, 110°, ceramic SMD, 3.0x2.0x1.1 mm		1,15	1,36
LEDs SMD   YELLOW   570 nm	Status	EUR / pc	USD / pc
SMC570, 570 nm, 0.2 mW, 20 mA, 110°, ceramic SMD, 3.0x2.0x1.1 mm	EOL	1,77	2,10
SMT570, 570 nm, 0.3 mW, 20 mA, 110°, SMD, 3.5x2.7x1.8 mm		1,77	2,10
LEDs SMD   ORANGE   590 nm	Status	EUR / pc	USD / pc
SMT590, 590 nm, 4 mW, 20 mA, 124°, SMD, 3.5x2.7x1.8 mm		1,50	1,78
RLCU-590, 590 nm, 400 mcd at 20mA, 120°, ceramic SMD, 3x2x1mm		1,08	1,28
LEDs SMD   RED   625 - 700 nm	Status	EUR / pc	USD / pc
RLCU-625, 625 nm, 400 mcd at 20mA, 120°, ceramic SMD, 3x2x1mm		1,08	1,28
SMC630, 630 nm, 0.2 mW, 20 mA, 110°, ceramic SMD, 3.0x2.0x1.1 mm		1,77	2,10
SMC660N, 660 nm, 11 mW, 20 mA, 122°, ceramic SMD, 3.0x2.0x1.1 mm		1,77	2,10
SMT700, 700 nm, 3 mW, 20 mA, 110°, SMD, 3.5x2.7x1.8 mm		4,59	5,44
LEDs SMD   IR   720 - 1650 nm	Status	EUR / pc	USD / pc
SMT720, 720 nm, 8 mW, 50 mA, 110°, SMD, 3.5x2.7x1.8 mm		4,59	5,44
SMT735, 735 nm, 25 mW, 50 mA, 126°, SMD, 3.5x2.7x1.8 mm		3,89	4,61
SMT735D/850D, 735/850 nm, 24/23 mW, 50 mA, SMT 2.7x3.5x1.8 mm		6,28	7,45
ELS-740-994, 740 nm, 6.5 mW, 50 mA, 120°, SMD PLCC 2, TOP LED, 3.5x2.8x1.9 mm		3,90	4,63
SMT750, 750 nm, 14 mW, 50 mA, 110°, SMD, 3.5x2.7x1.8 mm		3,89	4,61
SMT750-23, 750 nm, 20 mW, 50 mA, 30°, SMD, 3.5x2.7x3.5 mm		4,15	4,92
SMC770, 770 nm, 10 mW, 50 mA, 110°, ceramic SMD, 3.0x2.0x1.1 mm		4,59	5,44
SMT770, 735 nm, 26 mW, 50 mA, 126°, SMD, 3.5x2.7x1.8 mm		o.r.	o.r.
SMT780-27, 780 nm, 24 mW, 50 mA, 54°, SMD, 3.5x2.7x3.2 mm		3,34	3,96
SMC810, 810 nm, 16 mW, 50 mA, 132°, ceramic SMD, 3.0x2.0x1.1 mm		4,24	5,03
ELS-810-638, 810 nm, 1.9 x 2.0 mm <sup>2</sup> , 17 mW, 30°, 30 ns, flip chip		7,84	9,30
SMT850N, 850 nm, 22 mW, 50 mA, 124°, SMD, 3.5x2.7x1.8 mm		2,85	3,38
SMT850-23, 850 nm, 22 mW, 50 mA, 30°, SMD, 3.5x2.7x3.5 mm		2,92	3,46
SMT870-23, 870 nm, 22 mW, 50 mA, 30°, SMD, 3.5x2.7x3.5 mm		2,92	3,46
SMC890, 890 nm, 8 mW, 50 mA, 110°, ceramic SMD, 3.0x2.0x1.1 mm		2,56	3,04
SMC910, 910 nm, 8.2 mW, 50 mA, 124°, ceramic SMD, 3.0x2.0x1.1 mm		2,92	3,46
SMC940, 940 nm, 10 mW, 50 mA, 110°, ceramic SMD, 3.0x2.0x1.1 mm		1,70	2,02
SMT940-23, 940 nm, 16 mW, 50 mA, 36°, SMD, 3.5x2.7x3.5 mm		1,41	1,67
SMC970, 970 nm, 3.6 mW, 50 mA, 136°, ceramic SMD, 3.0x2.0x1.1 mm		1,94	2,30
SMC1050S, 1050 nm, 7.5 mW, 50 mA, 132°, ceramic SMD, 3.0x2.0x1.1 mm	EOL	12,43	14,74
SMC1200, 1200 nm, 5 mW, 50 mA, 124°, ceramic SMD, 3.0x2.0x1.1 mm	EOL	9,36	11,10
SMC1200S, 1200 nm, 6.5 mW, 50 mA, 136°, ceramic SMD, 3.0x2.0x1.1 mm	EOL	12,43	14,74
SMC1300, 1300 nm, 3.5 mW, 50 mA, 110°, cer. SMD, 3.0x2.0x1.1 mm	EOL	9,36	11,10
SMC1300S, 1300 nm, 6 mW, 50 mA, 138°, ceramic SMD, 3.0x2.0x1.1 mm	EOL	12,43	14,74
SMC1450, 1450 nm, 2 mW, 50 mA, 132°, ceramic SMD, 3.0x2.0x1.1 mm	EOL	9,60	11,39
SMC1450S, 1450 nm, 3 mW, 50 mA, 136°, ceramic SMD, 3.0x2.0x1.1 mm	EOL	12,43	14,74
SMT1450, 1450 nm, 2 mW, 50 mA, 126°, SMD, 3.5x2.7x1.8 mm		13,43	15,93
SMC1550S, 1550 nm, 2.2 mW, 50 mA, 136°, ceramic SMD, 3.0x2.0x1.1 mm	EOL	12,43	14,74

ACCESSORIES FOR SMD3020 LEDs	Status	EUR / pc	USD / pc
 <p>PCB boards to get your SMD 3020 LEDs mounted easily!</p>			
PCB-SMD3020, PCB for SMD 3020 LEDs, Al, white, 15.0x15.0x1.1 mm		5,90	7,00

SMD REFLECTOR LEDs	Status	EUR / pc	USD / pc
 <p>surface emitting SMD LED narrow beam, ultra high brightness, high flux, <b>integrated parabolic reflector</b> design, small size base size: 6 x 6 x 3 mm<sup>3</sup></p>			
TOLATB004, blue, 460 nm, 27 cd, 20 mA, Vf 3.5V, ±9°	EOL	5,61	6,65
TOLATG004, green, 530 nm, 27 cd, 20 mA, Vf 3.5V, ±9°	EOL	5,61	6,65
TOLATR002, red, 625 nm, 15 cd, 20 mA, Vf 2.1V, ±9°	EOL	5,61	6,65
TOLAIR002A, IR, 880 nm, 300 mW/sr, 100 mA, Vf 1.4V, ±9°	EOL	5,61	6,65

4-PIN / PIRANHA LEDs	Status	EUR / pc	USD / pc
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high flux LED series  
If: 20 mA, +/-45° angle  
clear epoxy package  
base size: 7.6 x 7.6 mm<sup>2</sup>

3B1S2HCA, blue, 470 nm, 1.0-1.4 cd, 20 mA, Vf <3.6 V, ±45°	EOL	0,40	0,47
3G1S2HCA, green, 522 nm, 2-3 cd, 20 mA, Vf <3.6 V, ±45°	EOL	0,56	0,66
3Y1S2HCA, yellow, 590 nm, 0.7-0.9 cd, 20 mA, Vf <2.1 V, ±45°	EOL	0,22	0,26
3R1S2HCA, red, 622 nm, 0.7-0.9 cd, 20 mA, Vf <2.1 V, ±45°	EOL	0,22	0,26
3RGB13HCA, RGB, 620 / 520 / 460 nm, 2 / 3.5 / 1.25 lm, 3 x 20 mA, ±45°	EOL	0,91	1,08

## LEDS - BARE CHIP DIES



**LED BARE CHIP DIES**  
available as bare chip die and on AlN submount

- chip material: AlGaN based
- AlN submount
- Output Power up to 75 mW

310 - 1720 nm

LEDs Bare Chip Dies   DEEP-UV   310 - 340 nm	Status	EUR / pc	USD / pc
DUV310-CL, 308 ±5 nm, 70 mW, 350 mA, 1000 x 1000 µm, bare chip die		o.r.	o.r.
DUV325-CL, 325 ±5 nm, 62 mW, 350 mA, 1000 x 1000 µm, bare chip die		o.r.	o.r.
DUV340-CL, 340 ±5 nm, 70 mW, 350 mA, 1000 x 1000 µm, bare chip die		o.r.	o.r.
LEDs Bare Chip Dies   UV   355 - 395 nm	Status	EUR / pc	USD / pc
C355-2SR1, 355 nm, 0.5-1.0 mW, @ 20 mA, size 280 x 280 µm		15,43	18,30
C360-2SR1, 360 nm, 0.5-1.0 mW, @ 20 mA, size 280 x 280 µm		14,25	16,90
C365-2SR2, 365 nm, 1.0-1.5 mW, @ 20 mA, size 280 x 280 µm		10,03	11,90
C365-5SRA, 365 nm, 3.5-5.0 mW, @ 20 mA, size 350 x 360 µm		11,58	13,73
C365-3SRA3, 365 nm, 15-20 mW, @ 100 mA, size 600 x 600 µm		17,34	20,56
C370-2SR4, 370 nm, 2.0-2.5 mW, @ 20 mA, size 280 x 280 µm		9,25	10,97
C370-5SRA, 370 nm, 4.0-5.5 mW, @ 20 mA, size 350 x 360 µm		10,60	12,57
C370-3SRA4, 370 nm, 20-25 mW, @ 100 mA, size 600 x 600 µm		15,43	18,30
C375-2SR10, 375 nm, 5.0-5.5 mW, @ 20 mA, size 280 x 280 µm		8,88	10,53
C375-5SRA, 375 nm, 6.0-7.5 mW, @ 20 mA, size 350 x 360 µm		10,58	12,55
C375-3SRA6, 375 nm, 30-35 mW, @ 100 mA, size 600 x 600 µm		15,43	18,30
C385-5SRA, 385 nm, 8.0-9.5 mW, @ 20 mA, size 350 x 360 µm		9,65	11,44
C395-5SRA, 395 nm, 12-16 mW, @ 20 mA, size 350 x 360 µm		7,70	9,13
ELC-395-34, 395 nm, 5 mW @ 20 mA, size 331 x 331 µm		3,12	3,70
LEDs Bare Chip Dies   VIS   405 - 700 nm	Status	EUR / pc	USD / pc
C405-5SRA, 405 nm, 13-17 mW, @ 20 mA, size 350 x 360 µm		7,70	9,13
ELC-405-34, 405 nm, 30 mW @ 20 mA, size 331 x 331 µm		3,12	3,70
ELC-410-34, 410 nm, 5 mW @ 20 mA, size 331 x 331 µm		3,12	3,70
ELC-420-34, xxx nm, xx mW @ xx mA, size xxx x xxx µm		3,12	3,70
ELC-430-34, 430 nm, 16 mW @ 20 mA, size 331 x 331 µm		3,12	3,70
ELC-455-34, 460 nm, 23 mW @ 20 mA, size 505 x 205 µm		3,12	3,70
ELC-470-34, 470 nm, 280 mcd @ 20 mA, size 280 x 310 µm		3,12	3,70
ELC-505-34, 505 nm, 400 mcd @ 20 mA, size 381 x 381 µm		3,12	3,70
ELC-525-34, 525 nm, 9 mW @ 20 mA, size 380 x 380 µm		3,12	3,70
ELC-565-10, 565 nm, 60 mcd @ 20 mA, size 265 x 265 µm		3,12	3,70
ELC-572-13, 572 nm, 30 mcd @ 20 mA, size 295 x 295 µm		3,12	3,70
ELC-590-13, 590 nm, 200 mcd @ 20 mA, size 265 x 265 µm		3,12	3,70
ELC-610-14, 610 nm, 200 mcd @ 20 mA, size 295 x 295 µm		3,12	3,70
ELC-630-15, 630 nm, 600 mcd @ 20 mA, size 350 x 350 µm		3,12	3,70
ELC-650-24, 650 nm, 1.2 mW @ 20 mA, size 300 x 300 µm		3,12	3,70
ELC-660-23-1, 660 nm, 1.8 mW @ 20 mA, size 280 x 280 µm		3,12	3,70
ELC-670-25, 670 nm, 2.5 mW @ 20 mA, size 325 x 325 µm		3,12	3,70
ELC-690-25, 690 nm, 2.8 mW @ 20 mA, size 325 x 325 µm		3,12	3,70
ELC-690-27, 690 nm, 2.8 mW @ 20 mA, size 360 x 360 µm		3,12	3,70
ELC-700-25, 700 nm, 3 mW @ 20 mA, size 325 x 325 µm		3,12	3,70
C700-1X1, 700 nm, size 1x1 mm, LED chip die		2,76	3,27
LEDs Bare Chip Dies   VIS   730 - 1720 nm	Status	EUR / pc	USD / pc
ELC-730-25, 730 nm, 3 mW @ 20 mA, size 325 x 325 µm		3,12	3,70
ELC-740-25, 740 nm, 2.8 mW @ 20 mA, size 325 x 325 µm		3,12	3,70
ELC-760-25, 760 nm, 2.5 mW @ 20 mA, size 325 x 325 µm		3,12	3,70
ELC-770-25, 770 nm, 2.7 mW @ 20 mA, size 325 x 325 µm		3,12	3,70
ELC-800-25, 800 nm, 4 mW @ 20 mA, size 325 x 325 µm		3,12	3,70
C810-1X1, 810 nm, size 1x1 mm, LED chip die		2,54	3,01
ELC-830-17, 830 nm, 4.5 mW @ 20 mA, size 365 x 365 µm		3,12	3,70
ELC-850-27, 830 nm, 6.5 mW @ 20 mA, size 365 x 365 µm		3,12	3,70


ELC-870-17-2, 875 nm, 6 mW @ 20 mA, size 360 x 360 µm	3,12	3,70
ELC-870-27, 870 nm, 6.5 mW @ 20 mA, size 365 x 365 µm	3,12	3,70
ELC-905-17, 905 nm, 4 mW @ 20 mA, size 365 x 365 µm	3,12	3,70
ELC-910-17, 910 nm, 8 mW @ 20 mA, size 365 x 365 µm	3,12	3,70
ELC-935-17, 935 nm, 2.5 mW @ 20 mA, size 365 x 365 µm	3,12	3,70
ELC-970-17, 970 nm, 2 mW @ 20 mA, size 365 x 365 µm	3,12	3,70
ELC-980-17-1, 980 nm, 2 mW @ 20 mA, size 365 x 365 µm	3,12	3,70
ELC-1020-17, 1020 nm, 3 mW @ 100 mA, size 365 x 365 µm	5,99	7,10
C1050H1-S, 1000-1100 nm, 35 mW, 500 mA, <1.3 V, 970x970 µm, InGaAsP, LED chip die	o.r.	o.r.
ELC-1060-17-1, 1060 nm, 4 mW @ 50 mA, size 365 x 365 µm	5,99	7,10
C1200H1-S, 1150-1250 nm, 39 mW, 500 mA, <1.2 V, 970x970 µm, InGaAsP, LED chip die	o.r.	o.r.
ELC-1300-27, 1290 nm, 19.5 mW @ 100 mA, size 350 x 350 µm	13,00	15,42
C1300H1-S, 1250-1350 nm, 32 mW, 500 mA, <1.2 V, 970x970 µm, InGaAsP, LED chip die	o.r.	o.r.
C1450H1-S, 1400-1500 nm, 20 mW, 500 mA, <1.0 V, 970x970 µm, InGaAsP, LED chip die	o.r.	o.r.
ELC-1460-27, 1450 nm, 3.8 mW @ 20 mA, size: 350 x 350 µm	13,00	15,42
ELC-1550-27, 1550 nm, 6.8 mW @ 100 mA, size 350 x 350 µm	9,45	11,21
C1550H1-S, 1500-1600 nm, 17 mW, 500 mA, <1.0 V, 970x970 µm, InGaAsP, LED chip die	o.r.	o.r.
ELC-1650-17-1, 1650 nm, 2.5 mW @ 100 mA, size 360 x 360 µm	7,80	9,25
ELC-1650-27, 1650 nm, 1.9 mW @ 20 mA, size 350 x 350 µm	13,00	15,42
C1650H1-S, 1600-1700 nm, 11 mW, 500 mA, <1.0 V, 970x970 µm, InGaAsP, LED chip die	o.r.	o.r.
ELC-1720-17, 1720 nm, 2.8 mW @ 100 mA, size 360 x 360 µm	10,40	12,33

# HIGH POWER LEDS - SMD - DEEP UV



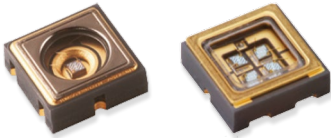
## single emitter DEEP-UV LEDs SMD

- reflow solderable
- for industrial processing
- water purification / disinfection / phototherapy
- DNA sequencing, Blood Gas Measurements

SMD High Power LEDs   DEEP-UV   255 - 340 nm	Status	EUR / pc	USD / pc
<b>255 nm</b>			
UVTOP250H-FW-SMD, 255 ±5 nm, 3.5 mW, 100 mA, ±60°, ceramic SMD 3535, flat window		159,00	188,57
<b>270 nm</b>			
UVR270-SC3, 270 ±5 nm, 3 mW, 50 mA, ±15°, SMD, 4.5 x 4.5 mm, hemisph. lens		7,60	9,01
UVR270-SC3P, 270 ±5 nm, 4 mW, 50 mA, ±15°, SMD on hex. PCB, dia. 21 mm, hemisph. lens		9,10	10,79
UVR270-SC12, 270 ±5 nm, 3 mW, 50 mA, ±60°, SMD, 4.5 x 4.5 mm, flat window		7,60	9,01
UVR270-SC12P, 270 ±5 nm, 3 mW, 50 mA, ±60°, SMD on hex. PCB, dia. 21 mm, flat window		9,10	10,79
UVR270-SA3, 270 ±5 nm, 10 mW, 150 mA, ±15°, SMD, 4.5 x 4.5 mm, hemisph. lens		8,95	10,61
UVR270-SA3P, 270 ±5 nm, 10 mW, 150 mA, ±15°, SMD on hex. PCB, dia. 21 mm, hemisph. lens		10,20	12,10
<b>275 nm</b>			
GD35R-275Z-F, 270-280 nm, 14 mW, 150 mA, 3535 SMD, flat window		4,20	4,98
UVTOP270-FW-SMD, 275 ±5 nm, 3 mW, 30 mA, ±60°, ceramic SMD 3535, flat window		13,20	15,65
UVTOP270H-FW-SMD, 275 ±5 nm, 11.5 mW, 100 mA, ±63°, ceramic SMD 3535, flat window		24,70	29,29
CUD8AF1C, 275 ±5 nm, 3 mW, 30 mA, ±58°, aluminium SMD, 6.4 x 6.4 mm, flat window		15,13	17,94
CUD8AF1D, 275 ±5 nm, 19 mW, 200 mA, ±60°, aluminium SMD, 6.4 x 6.4 mm, flat window		24,65	29,23
CUD8AF4C, 275 ±5 nm, 13 mW, 120 mA, multi chip, ±60°, aluminium SMD, 6.4 x 6.4 mm, flat window		65,45	77,62
CUD8AF4D, 275 ±5 nm, 50 mW, 600 mA, multi chip, ±60°, aluminium SMD, 6.4 x 6.4 mm, flat window	EOL	89,25	105,85
<b>280 nm</b>			
UVR280-SC3, 280 ±5 nm, 3 mW, 50 mA, ±15°, SMD, 4.5 x 4.5 mm, hemisph. lens		7,60	9,01
UVR280-SC3P, 280 ±5 nm, 3 mW, 50 mA, ±15°, SMD on hex. PCB, dia. 21 mm, hemisph. lens		9,10	10,79
UVR280-SC12, 280 ±5 nm, 3 mW, 50 mA, ±60°, SMD, 4.5 x 4.5 mm, flat window		7,60	9,01
UVR280-SC12P, 280 ±5 nm, 3 mW, 50 mA, ±60°, SMD on hex. PCB, dia. 21 mm, flat window		9,10	10,79
UVR280-SA3, 280 ±5 nm, 10 mW, 150 mA, ±15°, SMD, 4.5 x 4.5 mm, hemisph. lens		8,95	10,61
UVR280-SA3P, 280 ±5 nm, 10 mW, 150 mA, ±15°, SMD on hex. PCB, dia. 21 mm, hemisph. lens		10,20	12,10
<b>295 nm</b>			
DUV295-SD356LN, 295 ±5 nm, 40 mW, 600 mA, ±16°, ceramic SMD 3535, quartz lens	EOL	145,71	172,81
<b>310 nm</b>			
GD35R-310Z-F, 310-315 nm, 40mA, 3 mW, 3535 SMD, flat window		3,70	4,39
UVTOP305-FW-SMD, 310 ±5 nm, 1.2 mW, 20 mA, ±60°, ceramic SMD 3535		13,77	16,33
UVTOP305H-FW-SMD, 310 ±5 nm, 7 mW, 150 mA, ±60°, ceramic SMD 3535	EOL	21,80	25,85
DUV310-SD351EN, 308 ±5 nm, 16 mW, 100 mA, ±17.5°, ceramic SMD 3535, quartz lens		76,10	90,25
DUV310-SD351EL, 308 ±5 nm, 18 mW, 100 mA, ±30°, ceramic SMD 3535, quartz lens		76,10	90,25
DUV310-SD351EV, 308 ±5 nm, 19 mW, 100 mA, ±60°, ceramic SMD 3535, flat window		64,80	76,85
DUV310-SD353EL, 308 ±5 nm, 47 mW, 350 mA, 70°, ceramic SMD 3535, quartz lens		84,20	99,86
DUV310-SD353EN, 308 ±5 nm, 43 mW, 350 mA, 35°, ceramic SMD 3535, quartz lens		84,20	99,86
DUV310-SD353EV, 308 ±5 nm, 50 mW, 350 mA, 120°, ceramic SMD 3535, flat window		71,30	84,56
CUD1AF1C, 310 ±5 nm, 1.8 mW, 30 mA, ±58°, aluminium SMD, 6.4 x 6.4 mm, flat window		16,66	19,76
CUD1AF4D, 310 ±5 nm, 20 mW, 600 mA, ±60°, multi chip, aluminium SMD, 6.4 x 6.4 mm, flat window		88,74	105,24
<b>325 nm</b>			
DUV325-SD351EN, 325 ±5 nm, 13 mW, 100 mA, ±17.5°, ceramic SMD 3535, quartz lens		76,10	90,25
DUV325-SD351EL, 325 ±5 nm, 14 mW, 100 mA, ±30°, ceramic SMD 3535, quartz lens		76,10	90,25
DUV325-SD351EV, 325 ±5 nm, 14 mW, 100 mA, ±60°, ceramic SMD 3535, flat window		64,80	76,85
DUV325-SD353EL-03, 325 ±5 nm, 55 mW, 350 mA, 70°, ceramic SMD 3535, quartz lens	NEW	84,20	99,86
DUV325-SD353EN-03, 325 ±5 nm, 50 mW, 350 mA, 35°, ceramic SMD 3535, quartz lens	NEW	84,20	99,86
DUV325-SD353EV-03, 325 ±5 nm, 60 mW, 350 mA, 120°, ceramic SMD 3535, flat window	NEW	71,30	84,56
<b>340 nm</b>			
DUV340-SD351EN, 340 ±5 nm, 14 mW, 100 mA, ±15°, ceramic SMD 3535, quartz lens		76,10	90,25
DUV340-SD351EL, 340 ±5 nm, 14 mW, 100 mA, ±27.5°, ceramic SMD 3535, quartz lens		76,10	90,25
DUV340-SD351EV, 340 ±5 nm, 14 mW, 100 mA, ±60°, ceramic SMD 3535, flat window		64,80	76,85
DUV340-SD353EL-03, 340 ±5 nm, 85 mW, 350 mA, 70°, ceramic SMD 3535, quartz lens	NEW	84,20	99,86
DUV340-SD353EN-03, 340 ±5 nm, 80 mW, 350 mA, 35°, ceramic SMD 3535, quartz lens	NEW	84,20	99,86
DUV340-SD353EV-03, 340 ±5 nm, 90 mW, 350 mA, 120°, ceramic SMD 3535, flat window	NEW	71,30	84,56
<b>ACCESSORIES FOR SMD3535 LEDs</b>	<b>Status</b>	<b>EUR / pc</b>	<b>USD / pc</b>
			
<b>Copper circuit PCB boards for DUV3xx LEDs</b>			
SD35-PCB, PCB for DUV-SD35 series, 15 x 20 x1.0 mm		6,50	7,71

# HIGH POWER LEDS - SMD - UV



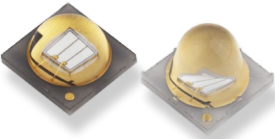


**high power UV-LED**  
 - ceramic SMD package  
 - integrated Zener diode (ESD protection)  
 - glass window

**365 nm - 385 nm**

SMD High Power LEDs   UV   365 - 385 nm	Status	EUR / pc	USD / pc
UVLED-365-750-SMD, 365 nm, typ. 750 mW, 500 mA, Vf typ. 3.8 V, 120°, 6.8 x 6.8 x 2.1 mm		21,90	25,97
UVLED-385-800-SMD, 385 nm, typ. 800 mW, 500 mA, Vf typ. 3.6 V, 120°, 6.8 x 6.8 x 2.1 mm		19,95	23,66
UVLED-385-1200-SMD, 385 nm, typ. 1.2 W, 500 mA, Vf typ. 14.8 V, 120°, 6.8x6.8x1.84 mm	EOL	60,00	71,16
UVLED-385-2400-SMD, 385 nm, typ. 2.4 W, 500 mA, Vf typ. 14.8 V, 120°, 6.8x6.8x1.84 mm	EOL	73,50	87,17

SMD High Power LEDs   UV - BLUE   365 - 420 nm	Status	EUR / pc	USD / pc
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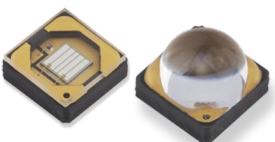


**single emitter high power UV-LED**  
 - ceramic SMD package  
 - high thermal conductivity  
 - silicone dome lens

**365 nm - 420 nm**

CUN66A1F, 365 nm, 420 mW, 250 mA, Vf typ. 3.6 V, 120°, 3.5 x 3.5 x 2.0 mm		o.r.	o.r.
CUN66A1B, 365 nm, 1000 mW, 500 mA, Vf typ. 3.6 V, 120°, 3.5 x 3.5 x 2.0 mm		9,63	11,42
CUN66B1B, 365 nm, 1000 mW, 500 mA, Vf typ. 3.6 V, 45°, 3.5 x 3.5 x 2.8 mm		7,99	9,48
CUN66A1G, 365 nm, 1850 mW, 1 A, Vf typ. 3.7 V, 120°, 3.5 x 3.5 x 2.0 mm		8,33	9,88
CUN66B1G, 365 nm, 1850 mW, 1 A, Vf typ. 3.7 V, 65°, 3.5 x 3.5 x 2.8 mm		7,91	9,38
CUN86A1B, 385 nm, 1200 mW, 500 mA, Vf typ. 3.5 V, 120°, 3.5 x 3.5 x 2.0 mm		11,05	13,10
CUN86B1B, 385 nm, 1160 mW, 500 mA, Vf typ. 3.5 V, 45°, 3.5 x 3.5 x 2.8 mm		10,54	12,50
CUN86A1G, 385 nm, 2150 mW, 1 A, Vf typ. 3.6 V, 120°, 3.5 x 3.5 x 2.0 mm		o.r.	o.r.
CUN86B1G, 385 nm, 2050 mW, 1 A, Vf typ. 3.6 V, 65°, 3.5 x 3.5 x 2.8 mm		5,80	6,88
CUN96A1B, 395 nm, 1250 mW, 500 mA, Vf typ. 3.5 V, 120°, 3.5 x 3.5 x 2.0 mm		6,89	8,17
CUN96B1B, 395 nm, 1250 mW, 500 mA, Vf typ. 3.5 V, 45°, 3.5 x 3.5 x 2.8 mm		6,89	8,17
CUN96A1G, 395 nm, 2100 mW, 1 A, Vf typ. 3.5 V, 120°, 3.5 x 3.5 x 2.0 mm		o.r.	o.r.
CUN96B1G, 395 nm, 2050 mW, 1 A, Vf typ. 3.5 V, 65°, 3.5 x 3.5 x 2.8 mm		o.r.	o.r.
CUN06A1B, 405 nm, 1160 mW, 500 mA, Vf typ. 3.5 V, 120°, 3.5 x 3.5 x 2.0 mm		4,90	5,81
CUN06B1B, 405 nm, 1160 mW, 500 mA, Vf typ. 3.5 V, 45°, 3.5 x 3.5 x 2.8 mm		6,89	8,17
CUN06A1G, 405 nm, 2050 mW, 1 A, Vf typ. 3.5 V, 120°, 3.5 x 3.5 x 2.0 mm		6,92	8,21
CUN06B1G, 405 nm, 2050 mW, 1 A, Vf typ. 3.5 V, 65°, 3.5 x 3.5 x 2.8 mm		6,92	8,21
CUN26A1B, 420 nm, 1000 mW, 500 mA, Vf typ. 3.5 V, 120°, 3.5 x 3.5 x 2.0 mm		6,89	8,17
CUN26B1B, 420 nm, 1040 mW, 500 mA, Vf typ. 3.5 V, 45°, 3.5 x 3.5 x 2.8 mm		5,87	6,96

SMD High Power LEDs   UV - VIOLET   365 - 405 nm	Status	EUR / pc	USD / pc
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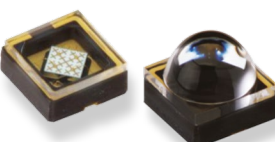


**single emitter high power UV-LED**  
 - ceramic SMD package  
 - high thermal conductivity  
 - silicone lens

**365 nm - 405 nm**

CUN6GF1A, 365 nm, 1400 mW, 1 A, ±60°, flat window, 3.7V, 3.5 x 3.5 x 1.1 mm		15,05	17,85
CUN6GB1A, 365 nm, 1400 mW, 1 A, ±30°, 3.7V, dome lens, 3.5 x 3.5 x 2.5 mm		17,51	20,77
CUN8GF1A, 385 nm, 1650 mW, 1 A, ±60°, 3.6V, flat window, 3.5 x 3.5 x 1.1 mm		14,79	17,54
CUN8GB1A, 385 nm, 1650 mW, 1 A, ±30°, 3.6V, dome lens, 3.5 x 3.5 x 2.5 mm		9,15	10,85
CUN9GF1A, 395 nm, 1700 mW, 1 A, ±60°, flat window, 3.5 x 3.5 x 1.1 mm		15,13	17,94
CUN9GB1A, 395 nm, 1700 mW, 1 A, ±30°, 3.5V, dome lens, 3.5 x 3.5 x 2.5 mm		14,28	16,94
CUN0GF1A, 405 nm, 1600 mW, 1 A, ±60°, flat window, 3.5 x 3.5 x 1.1 mm		15,64	18,55
CUN0GB1A, 405 nm, 1630 mW, 1 A, ±30°, dome lens, 3.5 x 3.5 x 2.5 mm		9,15	10,85

SMD High Power LEDs   UV - VIOLET   365 - 405 nm	Status	EUR / pc	USD / pc
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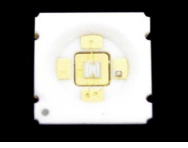



**single emitter high power UV-LED**  
 - ceramic SMD package  
 - integrated Zener diode (ESD protection)  
 - glass lens


**365 nm - 405 nm**

UVLED-365-NV2, 365 nm, 1430 mW, 1.0 A, ±60°, flat window, 3.5 x 3.5 x 1.23 mm		29,95	35,52
UVLED-365-NV2D, 365 nm, 1430 mW, 1.0 A, ±30°, dome lens, 3.5 x 3.5 x 2.73 mm		32,55	38,60
UVLED-385-NV2, 385 nm, 1730 mW, 1.0 A, ±60°, flat window, 3.5 x 3.5 x 1.23 mm		28,35	33,62
UVLED-385-NV2D, 385 nm, 1730 mW, 1.0 A, ±30°, dome lens, 3.5 x 3.5 x 2.73 mm	EOL	32,55	38,60
UVLED-395-NV2, 395 nm, 1400 mW, 1.0 A, ±60°, flat window, 3.5 x 3.5 x 1.23 mm		28,35	33,62
UVLED-405-NV2, 405 nm, 1400 mW, 1.0 A, ±60°, flat window, 3.5 x 3.5 x 1.23 mm		28,35	33,62
UVLED-405-NV2D, 405 nm, 1400 mW, 1.0 A, ±30°, dome lens, 3.5 x 3.5 x 2.73 mm		32,55	38,60


SMD High Power LEDs   UV - VIOLET   365 - 405 nm		Status	EUR / pc	USD / pc
	<b>high power UV-LED</b> - aluminium SMD package - integrated ESD protection - UV transparent flat window  <b>365 nm - 405 nm</b>			
CUN6AF1B, 365 nm, 690 mW, 500 mA, $\pm 60^\circ$ , 3.8V, flat window, aluminium SMD, 6.4x6.4x1.4 mm			17,85	21,17
CUN8AF4A, 385 nm, 3.75 W, 1 A, Vf typ. 7.4 V, multi chip, $110^\circ$ , 6.35 x 6.35 x 1.4 mm			28,73	34,07
CUN9AF4A, 395 nm, 3.75 W, 1 A, Vf typ. 7.4 V, multi chip, $110^\circ$ , 6.35 x 6.35 x 1.4 mm		EOL	32,98	39,11
CUN0AF1B, 405 nm, 850 mW, 500 mA, 3.6 V, $110^\circ$ , flat window, aluminium SMD, 6.3x6.3x1.4 mm			17,85	21,17
SMD High Power LEDs   UV - VIOLET   365 - 405 nm		Status	EUR / pc	USD / pc
	<b>4 chip emitter high power UV-LED</b> - aluminium SMD package - glass window - highest output power  <b>365 nm - 405 nm</b>			
CUN6HF4A, 365 nm, 4.3 W, 3 A, Vf typ. 3.7 V, multi chip, $115^\circ$ , 6.8 x 6.8 x 1.0 mm		EOL	51,60	61,20
SMD High Power LEDs   UV - VIOLET   365 - 405 nm		Status	EUR / pc	USD / pc
	<b>single emitter high power UV-LED</b> - ceramic SMD package - integrated Zener diode (ESD protection) - glass window - highest output power			
UVLED-365-NV3B, 365 nm, 4900 mW, 3.5 A, $\pm 60^\circ$ , 6.8 x 6.8 x 1.9 mm			179,00	212,29
UVLED-385-NV3B, 385 nm, 5500 mW, 3.5 A, $\pm 60^\circ$ , 6.8 x 6.8 x 1.9 mm			179,00	212,29
SMD High Power LEDs   UV - VIOLET   365 - 405 nm		Status	EUR / pc	USD / pc
	<b>single emitter high power UV-LED</b> - ceramic SMD package - integrated ESD protection - silicon resin lens  <b>365 nm - 405 nm</b>			
UVLED-365-NV1, 365 nm, 780 mW, 500 mA, $\pm 65^\circ$ , 3.5 x 3.5 x 1.23 mm			12,50	14,82
UVLED-375-NV1, 375 nm, 1160 mW, 700 mA, $\pm 65^\circ$ , 3.5 x 3.5 x 1.23 mm			6,25	7,41
UVLED-385-NV1, 385 nm, 1340 mW, 700 mA, $\pm 65^\circ$ , 3.5 x 3.5 x 1.23 mm			6,25	7,41
UVLED-395-NV1, 395 nm, 1340 mW, 700 mA, $\pm 65^\circ$ , 3.5 x 3.5 x 1.23 mm			6,25	7,41
UVLED-405-NV1, 405 nm, 1420 mW, 700 mA, $\pm 70^\circ$ , 3.5 x 3.5 x 1.23 mm			6,25	7,41
SMD High Power LEDs   UV - VIOLET   365 - 405 nm		Status	EUR / pc	USD / pc
	<b>single emitter high power UV-LED</b> - ceramic SMD package - integrated ESD protection - silicon resin  <b>365 nm - 405 nm</b>			
UVLED-365-NC2, 365 nm, 150 mW, 500 mA, $\pm 60^\circ$ , 3.5 x 3.5 x 0.88 mm			3,75	4,45
UVLED-375-NC2, 375 nm, 275 mW, 500 mA, $\pm 60^\circ$ , 3.5 x 3.5 x 0.88 mm			3,75	4,45
UVLED-385-NC2, 385 nm, 350 mW, 500 mA, $\pm 60^\circ$ , 3.5 x 3.5 x 0.88 mm			3,75	4,45
UVLED-395-NC2, 395 nm, 360 mW, 500 mA, $\pm 60^\circ$ , 3.5 x 3.5 x 0.88 mm			3,75	4,45
UVLED-405-NC2, 405 nm, 370 mW, 500 mA, $\pm 60^\circ$ , 3.5 x 3.5 x 0.88 mm			3,75	4,45
SMD High Power LEDs   UV - IR   365 - 1050 nm		Status	EUR / pc	USD / pc
	high radiation intensity surface mount LED on AlN ceramics submount, silver plated soldering pads, lead free solderable, RoHs compliant, $T_{op}$ -40 ... +85 °C			
RLCU-440-365, 365-370 nm, 40-90 mW, 350 mA, Vf 4.0V, $120^\circ$ , 3.8 x 3.8 x 0.9 mm			64,60	76,61
RLCU-440-380, 380-385 nm, 90-160 mW, 350 mA, Vf 4.0V, $120^\circ$ , 3.8 x 3.8 x 0.9 mm			32,80	38,90
RLCU-440-390, 390-395 nm, 130-260 mW, 350 mA, Vf 4.0V, $120^\circ$ , 3.8 x 3.8 x 0.9 mm			23,90	28,34
RLCU-440-400, 400-405 nm, 190-310 mW, 350 mA, Vf 4.0V, $120^\circ$ , 3.8 x 3.8 x 0.9 mm			20,40	24,19
RLCU-440-410, 410-415 nm, typ.250 mW, 350 mA, Vf 4.0V, $120^\circ$ , 3.8 x 3.8 x 0.9 mm			28,50	33,80
RLCU-440-415, 415-420 nm, typ.250 mW, 350 mA, Vf 4.0V, $120^\circ$ , 3.8 x 3.8 x 0.9 mm			28,50	33,80
RLCU-440-720, 720 nm, 30-50 mW/sr, 350 mA, $120^\circ$ , 3.8 x 3.8 x 0.9 mm			12,00	14,23
RLCU-440-880, 880 nm, 20-30 mW/sr, 350 mA, $120^\circ$ , 3.8 x 3.8 x 0.9 mm			12,00	14,23
RLCU-440-970, 970 nm, typ.9 mW/sr, 350 mA, $120^\circ$ , 3.8 x 3.8 x 0.9 mm			22,80	27,04
RLCU-440-1020, 1020 nm, typ.17 mW/sr, 350 mA, $120^\circ$ , 3.8 x 3.8 x 0.9 mm			29,70	35,22
RLCU-440-1050, 1050 nm, 59 mW, 350 mA, $120^\circ$ , 3.8 x 3.8 x 0.9 mm			29,70	35,22

SMD High Power LEDs   UV   370 - 400 nm		Status	EUR / pc	USD / pc
	high power UV-LED series hermetic ceramic SMD package UV resistant silicone mold integrated zener diode ESD protection			
VL370-5050, 370 nm, 20-30 mW, 350 mA, Vf typ. 4.0-4.2 V, 120°, 5.0 x 5.0 x 1.0 mm		EOL	11,05	13,10
VL400-5050, 400 nm, 100-110 mW, 350 mA, Vf typ. 3.5-3.8 V, 120°, 5.0 x 5.0 x 1.0 mm		EOL	10,95	12,99
SMD High Power LEDs   UV   375 - 400 nm		Status	EUR / pc	USD / pc
	high power UV-LED series hermetic ceramic SMD package UV resistant silicone mold integrated zener diode ESD protection low operation current			
XRL-375-SD, 375 nm, 48 mW, 100 mA, 1 chip, 120°, ceramic SMD, 4.2 x 4.2 x 1.3 mm			49,80	59,06
XHL-375-SD, 375 nm, 95 mW, 80 mA, 4 chips, 125°, ceramic SMD, 4.2 x 4.2 x 1.3 mm			49,00	58,11
XHL-400-SD, 400 nm, 150 mW, 80 mA, 4 chips, 125°, ceramic SMD, 4.2 x 4.2 x 1.3 mm			36,60	43,41

SMD High Power LEDs   UV - BLUE   380 - 440 nm		Status	EUR / pc	USD / pc
	high power <b>single chip</b> UV-LED series hermetic ceramic emitter package UV resistant silicone mold			
VL380-EMITTER, 380 nm, 200-300 mW, 350 mA, Vf typ. 3.0-4.0 V, 140°			18,00	21,35
VL390-EMITTER, 390 nm, 200-300 mW, 350 mA, Vf typ. 3.0-4.0 V, 140°			17,00	20,16
VL400-EMITTER, 400 nm, 300-400 mW, 350 mA, Vf typ. 3.0-4.0 V, 140°			16,00	18,98
RV5-EMITTER-1W, 405 nm, 250 mW, 350 mA, Vf <4.0 V, 140°			5,10	6,05
RV5-EMITTER-3W, 405 nm, 400 mW, 700 mA, Vf <4.5 V, 140°			5,49	6,51
VL410-EMITTER, 410 nm, 300-400 mW, 350 mA, Vf typ. 3.0-4.0 V, 140°			15,00	17,79
VL440-EMITTER, 440 nm, 400-500 mW, 350 mA, Vf typ. 3.0-4.0 V, 140°			14,00	16,60

SMD High Power LEDs   UV   365 - 385 nm		Status	EUR / pc	USD / pc
	high power <b>multi-chip</b> UV-LED series hermetic ceramic SMD package UV resistant silicone mold  size: Ø19.9 x 7.9 mm			
XML-365-SD, 365 nm, 200 mW, 300 mA, 25 chips, ceramic SMD, 19.9 x 7.9 mm			121,00	143,50
XML-385-SD, 385 nm, 1000 mW, 300 mA, 25 chips, ceramic SMD, 19.9 x 7.9 mm			175,00	207,54

## SMB1N HIGH POWER LEDS - SMD ↑

	1 W high power LED series, power chip technology chip size 1 x 1 mm <sup>2</sup> , mounted on copper heat sink PA9T SMD package, 5.0 x 5.2 mm silicone / epoxy mold			
<b>365 nm - 1900 nm</b>				

SMB1N SMD High Power LEDs   BROADBAND		Status	EUR / pc	USD / pc
SMB1N-BB450, 400-1000 nm, 300 mW, 500 mA, <4.5 V, 130°, 5.0x5.2x1.0 mm		EOL	18,28	21,68

SMB1N SMD High Power LEDs   UV   365 - 395 nm		Status	EUR / pc	USD / pc
SMB1N-365V, 365 nm, 650 mW, 500 mA, <4.5 V, 124°, 5.0x5.2x1.0 mm			14,89	17,66
SMB1N-365V-02, 365 nm, 650 mW, 500 mA, <4.5 V, 18°, 5.0x5.2x5.5 mm			16,45	19,51
SMB1N-375V, 375 nm, 560 mW, 500 mA, <4.5 V, 126°, 5.0x5.2x1.0 mm			12,29	14,58
SMB1N-375V-02, 375 nm, 560 mW, 500 mA, <4.5 V, 20°, Zener diode, 5.0x5.2x5.5 mm			13,67	16,21
SMB1N-385V, 385 nm, 720 mW, 500 mA, <3.9 V, 122°, Zener diode, 5.0x5.2x1.0 mm			13,41	15,90
SMB1N-385V-02, 385 nm, 1000 mW, 500 mA, <3.9 V, 20°, Zener diode, 5.0x5.2x5.5 mm			15,20	18,03
SMB1N-395V, 395 nm, 750 mW, 500 mA, <4.5 V, 126°, 5.0x5.2x1.0 mm		EOL	9,82	11,65
SMB1N-395V-02, 395 nm, 750 mW, 500 mA, <4.5 V, 22°, 5.0x5.2x5.5 mm		EOL	11,42	13,54

SMB1N SMD High Power LEDs   VIS   405 - 700 nm	Status	EUR / pc	USD / pc
SMB1N-405V, 405 nm, 710 mW, 500 mA, <4.2 V, 126°, 5.0x5.2x1.0 mm		9,82	11,65
SMB1N-405V-02, 405 nm, 710 mW, 500 mA, <4.2 V, 22°, 5.0x5.2x5.5 mm		11,42	13,54
SMB1N-415H, 415 nm, 300 mW, 350 mA, <4.5 V, 124°, 5.0x5.2x1.0 mm		7,78	9,23
SMB1N-415H-02, 415 nm, 300 mW, 350 mA, <4.5 V, 22°, 5.0x5.2x5.5 mm		9,44	11,20
SMB1N-420H, 420 nm, 420 mW, 350 mA, <3.8 V, 126°, 5.0x5.2x1.0 mm		7,80	9,25
SMB1N-420H-02, 420 nm, 420 mW, 350 mA, <3.8 V, 20°, Zener diode, 5.0x5.2x5.5 mm		9,45	11,21
SMB1N-430H, 430 nm, 500 mW, 350 mA, <3.8 V, 128°, 5.0x5.2x1.0 mm		7,80	9,25
SMB1N-430H-02, 430 nm, 500 mW, 350 mA, <3.8 V, 22°, 5.0x5.2x5.5 mm		9,45	11,21
SMB1N-435V, 435 nm, 800 mW, 500 mA, <4.5 V, 126°, 5.0x5.2x1.0 mm		15,45	18,32
SMB1N-435V-02, 435 nm, 800 mW, 500 mA, <4.5 V, 22°, 5.0x5.2x5.5 mm		17,11	20,29
SMB1N-D450, 450 nm, 480 mW, 350 mA, <4.0 V, 130°, 5.0x5.2x1.0 mm		8,55	10,14
SMB1N-D450-02, 450 nm, 480 mW, 350 mA, <4.0 V, 20°, 5.0x5.2x5.5 mm		10,20	12,10
SMB1N-D470, 470 nm, 400 mW, 350 mA, <3.8 V, 128°, 5.0x5.2x1.0 mm		8,55	10,14
SMB1N-D470-02, 470 nm, 400 mW, 350 mA, <3.8 V, 20°, 5.0x5.2x5.5 mm		10,20	12,10
SMB1N-490H, 490 nm, 240 mW, 350 mA, <3.8 V, 128°, 5.0x5.2x1.0 mm		8,55	10,14
SMB1N-490H-02, 490 nm, 240 mW, 350 mA, <3.8 V, 22°, 5.0x5.2x5.5 mm		10,20	12,10
<b>500 nm</b>			
SMB1N-515V, 515 nm, 230 mW, 350 mA, <3.6 V, 126°, 5.0x5.2x1.0 mm		8,45	10,02
SMB1N-515V-02, 515 nm, 250 mW, 350 mA, <3.6 V, 18°, 5.0x5.2x5.5 mm		10,65	12,63
SMB1N-D520, 520 nm, 250 mW, 350 mA, <3.8 V, 128°, 5.0x5.2x1.0 mm		8,45	10,02
SMB1N-D520-02, 520 nm, 250 mW, 350 mA, <3.8 V, 22°, 5.0x5.2x5.5 mm		10,20	12,10
SMB1N-525V, 525 nm, 230 mW, 350 mA, <3.6 V, 126°, 5.0x5.2x1.0 mm		8,45	10,02
SMB1N-525V-02, 525 nm, 230 mW, 350 mA, <3.6 V, 22°, 5.0x5.2x5.5 mm		10,65	12,63
SMB1N-550H, 550 nm, 100 mW, 350 mA, <3.4V, 130°, 5.0x5.2x1.0 mm		12,95	15,36
SMB1N-550H-02, 550 nm, 100 mW, 350 mA, <3.4 V, ~20°, 5.0x5.2x5.5 mm		15,45	18,32
SMB1N-590, 590 nm, 120 mW, 350 mA, <3.0 V, 126°, 5.0x5.2x1.0 mm		10,55	12,51
SMB1N-590-02, 590 nm, 120 mW, 350 mA, <3.0 V, 18°, 5.0x5.2x5.5 mm		10,55	12,51
<b>600 nm</b>			
SMB1N-620D, 620 nm, 190 mW, 350 mA, <2.7 V, 128°, 5.0x5.2x1.0 mm		8,26	9,80
SMB1N-620D-02, 620 nm, 190 mW, 350 mA, <2.7 V, 20°, 5.0x5.2x5.5 mm		10,43	12,37
SMB1N-D630, 630 nm, 330 mW, 350 mA, <2.8 V, 126°, 5.0x5.2x1.0 mm		8,35	9,90
SMB1N-D630-02, 630 nm, 290 mW, 350 mA, <2.8 V, 18°, 5.0x5.2x5.5 mm		10,55	12,51
SMB1N-D660N, 660 nm, 320 mW, 350 mA, <3.0 V, 126°, 5.0x5.2x1.0 mm		7,35	8,72
SMB1N-D660N-02, 660 nm, 320 mW, 350 mA, <3.0 V, 20°, 5.0x5.2x5.5 mm		9,55	11,33
SMB1N-670D, 670 nm, 520 mW, 600 mA, <2.5 V, 128°, 5.0x5.2x1.0 mm		9,55	11,33
SMB1N-670D-02, 670 nm, 520 mW, 600 mA, <3.0 V, 18°, 5.0x5.2x5.5 mm		11,75	13,94
SMB1N-680-02, 680 nm, 170 mW, 600 mA, <2.5 V, 18°, 5.0x5.2x5.5 mm	EOL	9,74	11,55
SMB1N-680D, 680 nm, 650 mW, 600 mA, <2.9 V, 128°, 5.0x5.2x1.0 mm		9,55	11,33
SMB1N-680D-02, 680 nm, 650 mW, 600 mA, <2.9 V, 18°, 5.0x5.2x5.5 mm		13,05	15,48
SMB1N-690D, 690 nm, 520 mW, 600 mA, <3.0 V, 128°, 5.0x5.2x1.0 mm		9,55	11,33
SMB1N-690D-02, 690 nm, 520 mW, 600 mA, <3.0 V, 18°, 5.0x5.2x5.5 mm		11,75	13,94

SMB1N SMD High Power LEDs   IR   700 - 1650 nm	Status	EUR / pc	USD / pc
SMB1N-700, 700 nm, 120 mW, 500 mA, <2.7V, 130°, 5.0x5.2x1.0 mm	EOL	8,41	9,97
SMB1N-700D, 700 nm, 200 mW, 500 mA, <2.3 V, 128°, 5.0x5.2x1.0 mm		9,54	11,31
SMB1N-700D-02, 700 nm, 200 mW, 500 mA, <2.3 V, 20°, 5.0x5.2x5.5 mm		11,76	13,95
SMB1N-720, 720 nm, 170 mW, 600 mA, <2.8 V, 130°, 5.0x5.2x1.0 mm	EOL	9,80	11,62
SMB1N-720D, 720 nm, 520 mW, 600 mA, <2.4 V, 128°, 5.0x5.2x1.0 mm		9,55	11,33
SMB1N-720D-02, 720 nm, 520 mW, 600 mA, <2.4 V, 20°, 5.0x5.2x5.5 mm		12,25	14,53
SMB1N-735, 735 nm, 200 mW, 600 mA, <2.3 V, 130°, 5.0x5.2x1.0 mm	EOL	9,55	11,33
SMB1N-740D, 740 nm, 290 mW, 600 mA, <2.4 V, 130°, 5.0x5.2x1.0 mm		9,55	11,33
SMB1N-740D-02, 740 nm, 290 mW, 600 mA, <2.4 V, 20°, 5.0x5.2x5.5 mm		11,75	13,94
SMB1N-750, 750 nm, 290 mW, 800 mA, <2.4 V, 126°, 5.0x5.2x1.0 mm	EOL	9,55	11,33
SMB1N-750-02, 750 nm, 290 mW, 800 mA, <2.4 V, 20°, 5.0x5.2x5.5 mm	EOL	11,75	13,94
SMB1N-750D, 750 nm, 700 mW, 800 mA, <2.5 V, 128°, 5.0x5.2x1.0 mm		9,54	11,31
SMB1N-750D-02, 750 nm, 700 mW, 800 mA, <2.5 V, 18°, 5.0x5.2x5.5 mm		11,76	13,95
SMB1N-760D, 760 nm, 400 mW, 800 mA, <2.5 V, 128°, 5.0x5.2x1.0 mm		9,55	11,33
SMB1N-760D-02, 760 nm, 400 mW, 800 mA, <2.5 V, 18°, 5.0x5.2x5.5 mm		11,75	13,94
SMB2N-760D-I, 760 nm, 800 mW, 800 mA, <5.0 V, 2 chip dies, isolated, 5.0x5.2x1.0 mm		13,32	15,80
SMB3N-760D-I, 760 nm, 800 mA, 3 chip dies, isolated, 5.0x5.2x1.0 mm		19,99	23,71
SMB1N-770D, 770 nm, 650 mW, 800 mA, <2.1 V, 128°, 5.0x5.2x1.0 mm		9,55	11,33
SMB1N-770D-02, 770 nm, 650 mW, 800 mA, <2.1 V, 20°, 5.0x5.2x1.0 mm		11,76	13,95
SMB1N-770-02, 770 nm, 290 mW, 800 mA, <2.5 V, 20°, 5.0x5.2x5.5 mm	EOL	11,75	13,94
SMB1N-780D, 780 nm, 650 mW, 800 mA, <2.6 V, 128°, 5.0x5.2x1.0 mm		9,55	11,33
SMB1N-780D-02, 780 nm, 650 mW, 800 mA, <2.6 V, 20°, 5.0x5.2x5.5 mm		11,75	13,94
SMB2N-780D-I, 780 nm, 800 mW, 800 mA, <5.2 V, 2 chip dies, isolated, 5.0x5.2x1.0 mm		o.r.	o.r.
<b>800 nm</b>			
SMB1N-800D, 800 nm, 450 mW, 800 mA, <2.6 V, 128°, 5.0x5.2x1.0 mm		9,55	11,33
SMB1N-800D-02, 800 nm, 450 mW, 800 mA, <2.6 V, 18°, 5.0x5.2x5.5 mm		11,75	13,94
SMB1N-810D, 810 nm, 560 mW, 800 mA, <2.5 V, 126°, 5.0x5.2x1.0 mm		10,65	12,63
SMB1N-810D-02, 810 nm, 560 mW, 800 mA, <2.5 V, 20°, 5.0x5.2x5.5 mm		12,90	15,30
SMB1N-830N, 830 nm, 280 mW, 800 mA, <2.2 V, 128°, 5.0x5.2x1.0 mm	EOL	8,90	10,56
SMB1N-830D, 830 nm, 700 mW, 1 A, <2.0 V, 128°, 5.0x5.2x5.5 mm		8,90	10,56
SMB1N-830D-02, 830 nm, 700 mW, 1 A, <2.0 V, 18°, 5.0x5.2x5.5 mm		11,10	13,16
SMB1N-850D, 850 nm, 780 mW, 1 A, <2.5 V, 130°, 5.0x5.2x1.0 mm		8,65	10,26
SMB1N-850D-02, 850 nm, 780 mW, 1 A, <2.5V, 20°, 5.0x5.2x5.5 mm		10,90	12,93
SMB1N-850DS, 850 nm, 1.4 W, 1 A, <4.2 V, 128°, 5.0x5.2x1.0 mm		13,65	16,19
SMB1N-850DS-02, 850 nm, 1.4 W, 1 A, <4.2V, 20°, 5.0x5.2x5.5 mm		15,85	18,80
SMB2N-850D-I, 850 nm, 1.2 W, 1 A, Vf <4.8V, 122°, 2 chip dies, 5.0x5.2x1.0 mm		17,15	20,34
SMB3N-850D-I, 850 nm, 1.8 W, 1 A, <7.2 V, 120°, 3 chip dies, 5.0x5.2x1.0 mm		24,40	28,94
SMB1N-870, 870 nm, 440 mW, 1 A, <2.0 V, 130°, 5.0x5.2x1.0 mm	EOL	8,90	10,56
SMB1N-880, 880 nm, 320 mW, 800 mA, <2.2 V, 128°, 5.0x5.2x1.0 mm		8,90	10,56

SMB1N-880D, 880 nm, 610 mW, 800 mA, <2.5 V, 130°, 5.0x5.2x1.0 mm		10,65	12,63
SMB1N-880D-02, 880 nm, 610 mW, 800 mA, <2.5 V, 18°, 5.0x5.2x5.5 mm		12,90	15,30
SMB1N-890D, 890 nm, 590 mW, 800 mA, <2.5 V, 128°, 5.0x5.2x5.5 mm		10,66	12,64
SMB1N-890D-02, 890 nm, 590 mW, 800 mA, <2.5 V, 18°, 5.0x5.2x5.5 mm		12,88	15,28
SMB1N-890DS, 890 nm, 1.4 W, 1 A, <4.0 V, 128°, 5.0x5.2x1.0 mm		13,65	16,19
SMB1N-890DS-02, 890 nm, 1.4 W, 1 A, <4.0 V, 20°, 5.0x5.2x5.5 mm		15,85	18,80
<b>900 nm</b>			
SMB1N-910D, 910 nm, 850 mW, 1 A, <2.5 V, 126°, 5.0x5.2x1.0 mm		8,65	10,26
SMB1N-910D-02, 910 nm, 850 mW, 1 A, <2.5 V, 20°, 5.0x5.2x5.5 mm		10,87	12,89
SMB1N-940-02, 940 nm, 120 mW, 500 mA, <1.8 V, 24°, 5.0x5.2x1.0 mm	EOL	9,30	11,03
SMB1N-940D, 940 nm, 630 mW, 1 A, <1.8 V, 128°, 5.0x5.2x1.0 mm		8,65	10,26
SMB1N-940D-02, 940 nm, 630 mW, 1 A, <1.8 V, 20°, 5.0x5.2x5.5 mm		10,90	12,93
SMB1N-940DS, 940 nm, 1.3 W, 1 A, <3.8 V, 128°, 5.0x5.2x1.0 mm		13,65	16,19
SMB1N-940DS-02, 940 nm, 1.3 W, 1 A, <3.8 V, 20°, 5.0x5.2x5.5 mm		15,85	18,80
SMB1N-970-02, 970 nm, 30 mW, 400 mA, <1.7 V, 20°, 5.0x5.2x5.5 mm	EOL	7,75	9,19
SMB1N-970D, 970 nm, 780 mW, 1 A, <2.5 V, 130°, 5.0x5.2x1.0 mm		9,10	10,79
SMB1N-970D-02, 970 nm, 780 mW, 1 A, <2.5 V, 20°, 5.0x5.2x5.5 mm		11,30	13,40
SMB1N-980D, 980 nm, 400 mW, 800 mA, <2.0 V, 128°, 5.0x5.2x1.0 mm		9,10	10,79
SMB1N-980D-02, 980 nm, 400 mW, 800 mA, <2.0 V, 20°, 5.0x5.2x5.5 mm		11,35	13,46
<b>1000 nm</b>			
SMB1N-1050, 1050 nm, 35 mW, 500 mA, <1.65 V, 134°, 5.0x5.2x1.0 mm	EOL	27,80	32,97
SMB1N-1050-02, 1050 nm, 35 mW, 500 mA, <1.65 V, 20°, 5.0x5.2x5.5 mm	EOL	27,80	32,97
SMB1N-1050D, 1050 nm, 160 mW, 1 A, <2.2 V, 128°, 5.0x5.2x1.0 mm		42,05	49,87
SMB1N-1050D-02, 1050 nm, 200 mW, 1 A, <2.2 V, 18°, 5.0x5.2x5.5 mm		43,65	51,77
SMB1N-1050GD, 1050 nm, 700 mW at 1 A, <1.8 V, 128°, 5.0x5.2x1.0 mm		48,08	57,02
SMB1N-1050GD-02, 1050 nm, 750 mW at 1 A, <1.8 V, 20°, 5.0x5.2x5.5 mm		52,27	61,99
SMB1N-1100D, 1100 nm, 280 mW, 1 A, <1.8 V, 128°, 5.0x5.2x1.0 mm		42,05	49,87
SMB1N-1100D-02, 1100 nm, 350 mW, 1 A, <1.8 V, 18°, 5.0x5.2x5.5 mm		43,65	51,77
SMB1N-1150D, 1150 nm, 210 mW, 1 A, <1.8 V, 128°, 5.0x5.2x1.0 mm		42,05	49,87
SMB1N-1150D-02, 1150 nm, 260 mW, 1 A, <1.8 V, 18°, 5.0x5.2x5.5 mm		43,65	51,77
SMB1N-1200-02, 1200 nm, 35 mW, 500 mA, <1.4 V, 18°, 5.0x5.2x5.5 mm	EOL	27,80	32,97
SMB1N-1200S, 1200 nm, 50 mW at 500 mA, <1.4 V, 136°, 5.0x5.2x1.0 mm		40,22	47,70
SMB1N-1200D, 1200 nm, 180 mW, 1 A, <1.7 V, 128°, 5.0x5.2x1.0 mm		42,05	49,87
SMB1N-1200D-02, 1200 nm, 220 mW, 1 A, <1.7 V, 18°, 5.0x5.2x5.5 mm		43,65	51,77
SMB1N-1300L, 1300 nm, 25 mW, 500 mA, <1.4 V, 134°, 5.0x5.2x1.0 mm	EOL	21,60	25,62
SMB1N-1300S, 1300 nm, 45 mW at 500 mA, <1.4 V, 136°, 5.0x5.2x1.0 mm		40,22	47,70
SMB1N-1300S-02, 1300 nm, 45 mW at 500 mA, <1.4 V, 20°, 5.0x5.2x5.5 mm		41,76	49,53
SMB1N-1300D, 1300 nm, 160 mW, 1 A, <1.7 V, 128°, 5.0x5.2x1.0 mm		42,05	49,87
SMB1N-1300D-02, 1300 nm, 200 mW, 1 A, <1.7 V, 18°, 5.0x5.2x5.5 mm		43,65	51,77
SMB1N-1450D, 1450 nm, 72 mW, 1 A, <1.7 V, 128°, 5.0x5.2x1.0 mm		42,05	49,87
SMB1N-1450D-02, 1450 nm, 90 mW, 1 A, <1.7 V, 18°, 5.0x5.2x5.5 mm		43,65	51,77
SMB1N-1550S, 1550 nm, 20 mW, 500 mA, <1.4 V, 136°, 5.0x5.2x1.0 mm		32,20	38,19
SMB1N-1550D, 1550 nm, 50 mW, 1 A, <1.7 V, 128°, 5.0x5.2x1.0 mm		43,65	51,77
SMB1N-1550D-02, 1550 nm, 62 mW, 1 A, <1.7 V, 20°, 5.0x5.2x5.5 mm		43,65	51,77
SMB1N-1650S, 1650 nm, 16 mW at 500 mA, <1.5 V, 136°, 5.0x5.2x1.0 mm		40,22	47,70
SMB1N-1650-02, 1650 nm, 16 mW, 500 mA, <1.5 V, 20°, 5.0x5.2x5.5 mm	EOL	27,80	32,97
SMB1N-1650D, 1650 nm, 36 mW, 1 A, <1.6 V, 128°, 5.0x5.2x1.0 mm		42,05	49,87
SMB1N-1650D-02, 1650 nm, 45 mW, 1 A, <1.6 V, 18°, 5.0x5.2x5.5 mm		43,65	51,77
SMB1N-1900D, 1900 nm, 27 mW, 1 A, <1.6 V, 128°, 5.0x5.2x1.0 mm	NEW	41,90	49,69
SMB1N-1900D-02, 1900 nm, 30 mW, 1 A, <1.6 V, 18°, 5.0x5.2x5.5 mm	NEW	44,20	52,42

## SMB1C HIGH POWER LEDS - SMD



1 W high power LED series, power chip technology  
chip size 1 x 1 mm<sup>2</sup>, mounted on copper heat sink  
Ceramic SMD package, 3.45 x 3.45 mm  
silicone resin



**365 nm - 1650 nm**

SMB1C SMD High Power LEDs   UV   365 - 395nm	Status	EUR / pc	USD / pc
SMB1C-365V, 365 nm, 850 mW, 500 mA, <4.5 V, 120°, 3.45x3.45x2.06 mm		15,78	18,71
SMB1C-365V-S5, 365 nm, 850 mW, 500 mA, <4.5 V, 78°, 3.45x3.45x2.80 mm		15,78	18,71
SMB1C-375V, 375 nm, 560 mW, 500 mA, <4.5 V, 122°, 3.45x3.45x2.06 mm		12,85	15,24
SMB1C-375V-S5, 375 nm, 560 mW, 500 mA, <4.5 V, 78°, 3.45x3.45x2.80 mm		12,85	15,24
SMB1C-385V, 385 nm, 1.1 W, 500 mA, <3.9 V, 120°, 3.45x3.45x2.06 mm		12,85	15,24
SMB1C-385V-S5, 385 nm, 1.1 W, 500 mA, <4.5 V, 78°, 3.45x3.45x2.80 mm		12,85	15,24
SMB1C-395V, 395 nm, 750 mW, 500 mA, <4.5 V, 114°, 3.45x3.45x2.06 mm		10,81	12,82
SMB1C-395V-S5, 395 nm, 750 mW, 500 mA, <4.5 V, 74°, 3.45x3.45x2.80 mm		10,81	12,82

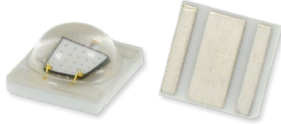
SMB1C SMD High Power LEDs   VIS   405 - 700 nm	Status	EUR / pc	USD / pc
SMB1C-405V, 405 nm, 710 mW, 500 mA, <4.2 V, 122°, 3.45x3.45x2.06 mm		10,81	12,82
SMB1C-405V-S5, 405 nm, 710 mW, 500 mA, <4.2 V, 74°, 3.45x3.45x2.80 mm		10,81	12,82
SMB1C-435V, 435 nm, 3.45x3.45x2.06 mm		10,03	11,90
SMB1C-435V-S5, 435 nm, 3.45x3.45x2.80 mm		10,03	11,90
SMB1C-450V, 450 nm, 850 mW, 500 mA, <4.5 V, 130°, 3.45x3.45x2.06 mm		o.r.	o.r.
SMB1C-525V, 525 nm, 230 mW, 350 mA, <3.6 V, 130°, 3.45x3.45x2.06 mm		9,75	11,56
SMB1C-525V-S5, 525 nm, 230 mW, 350 mA, <3.6 V, 74°, 3.45x3.45x2.80 mm		9,75	11,56
SMB1C-590D, 590 nm, 120 mW, 1 A, <3.0 V, 124°, 3.45x3.45x2.06 mm		9,75	11,56
SMB1C-590D-S5, 590 nm, 3.45x3.45x2.80 mm		9,75	11,56
SMB1C-620D, 620 nm, 190 mW, 350 mA, 126°, 3.45x3.45x2.06 mm		9,75	11,56
SMB1C-620D-S5, 620 nm, 3.45x3.45x2.80 mm		9,75	11,56

SMB1C-630V, 630 nm, 270 mW, 350 mA, <2.8 V, 124°, 3.45x3.45x2.06 mm	9,75	11,56
SMB1C-630V-S5, 630 nm, 270 mW, 350 mA, <2.8 V, 78°, 3.45x3.45x2.80 mm	9,75	11,56
SMB1C-660D, 660 nm, 320 mW, 350 mA, <3.0 V, 128°, 3.45x3.45x2.06 mm	8,78	10,41
SMB1C-660D-S5, 660 nm, 320 mW, 350 mA, <3.0 V, 82°, 3.45x3.45x2.80 mm	8,78	10,41
SMB1C-680D, 680 nm, 520 mW, 600 mA, <3.0 V, 122°, 3.45x3.45x2.06 mm	10,74	12,74
SMB1C-680D-S5, 680 nm, 520 mW, 600 mA, <3.0 V, 78°, 3.45x3.45x2.80 mm	10,74	12,74
SMB1C-690D, 690 nm, 520 mW, 600 mA, <3.0 V, 128°, 3.45x3.45x2.06 mm	10,74	12,74
SMB1C-690-S5, 690 nm, 520 mW, 600 mA, <3.0 V, 82°, 3.45x3.45x2.80 mm	10,74	12,74
<b>SMB1C SMD High Power LEDs   IR   700 - 1650 nm</b>		
	<b>Status</b>	<b>EUR / pc</b>
		<b>USD / pc</b>
SMB1C-700D, 700 nm, 200 mW, 500 mA, <2.3 V, 128°, 3.45x3.45x2.06 mm	10,74	12,74
SMB1C-700D-S5, 700 nm, 200 mW, 500 mA, <2.3 V, 80°, 3.45x3.45x2.80 mm	10,74	12,74
SMB1C-720, 720 nm, 170 mW, 600 mA, <2.8 V, 126°, 3.45x3.45x2.06 mm	10,92	12,95
SMB1C-720-S5, 720 nm, 170 mW, 600 mA, <2.8 V, 82°, 3.45x3.45x2.80 mm	10,92	12,95
SMB1C-740D, 740 nm, 290 mW, 600 mA, <2.4 V, 130°, 3.45x3.45x2.06 mm	10,74	12,74
SMB1C-740D-S5, 740 nm, 290 mW, 600 mA, <2.4 V, 78°, 3.45x3.45x2.80 mm	10,74	12,74
SMB1C-750, 750 nm, 122°, 3.45x3.45x2.06 mm	10,74	12,74
SMB1C-750-S5, 750 nm, 290 mW, 800 mA, <2.4 V, 78°, 3.45x3.45x2.80 mm	10,58	12,55
SMB1C-750D, 750 nm, 700 mW, 800 mA, <2.5 V, 126°, 3.45x3.45x2.06 mm	10,59	12,56
SMB1C-750D-S5, 750 nm, 700 mW, 800 mA, <2.5 V, 84°, 3.45x3.45x2.80 mm	10,58	12,55
SMB1C-760D, 760 nm, 400 mW, 800 mA, <2.5 V, 126°, 3.45x3.45x2.06 mm	10,74	12,74
SMB1C-760D-S5, 760 nm, 400 mW, 800 mA, <2.5 V, 78°, 3.45x3.45x2.80 mm	10,74	12,74
SMB1C-780D, 780 nm, 500 mW, 800 mA, <2.6 V, 126°, 3.45x3.45x2.06 mm	10,74	12,74
SMB1C-780D-S5, 780 nm, 500 mW, 800 mA, <2.6 V, 82°, 3.45x3.45x2.80 mm	10,74	12,74
<b>800 nm</b>		
SMB1C-800D, 800 nm, 450 mW, 800 mA, <2.6 V, 124°, 3.45x3.45x2.06 mm	10,74	12,74
SMB1C-800D-S5, 800 nm, 450 mW, 800 mA, <2.6 V, 82°, 3.45x3.45x2.80 mm	10,74	12,74
SMB1C-810D, 810 nm, 520 mW, 800 mA, <2.5 V, 124°, 3.45x3.45x2.06 mm	11,69	13,86
SMB1C-810DS, 810 nm, 1.2 W, 1 A, <4.2 V, 132°, 3.45x3.45x2.06 mm	14,33	16,99
SMB1C-810D-S5, 810 nm, 520 mW, 800 mA, <2.5 V, 78°, 3.45x3.45x2.80 mm	11,69	13,86
SMB1C-810DS-S5, 810 nm, 1.2 W, 1 A, <4.2 V, 78°, 3.45x3.45x2.80 mm	14,33	16,99
SMB1C-830N, 830 nm, 340 mW, 800 mA, <2.2 V, 128°, 3.45x3.45x2.06 mm	10,12	12,00
SMB1C-830N-S5, 830 nm, 340 mW, 800 mA, <2.2 V, 78°, 3.45x3.45x2.06 mm	10,12	12,00
SMB1C-850D, 850 nm, 780 mW, 1 A, <1.9 V, 120°, 3.45x3.45x2.06 mm	9,95	11,80
SMB1C-850DS, 850 nm, 1.4 W, 1 A, <4.2 V, 132°, 3.45x3.45x2.06 mm	14,33	16,99
SMB1C-850D-S5, 850 nm, 780 mW, 1 A, <1.9 V, 78°, 3.45x3.45x2.80 mm	9,95	11,80
SMB1C-850DS-S5, 850 nm, 1.4 W, 1 A, <4.2 V, 78°, 3.45x3.45x2.80 mm	14,33	16,99
SMB1C-880D, 880 nm, 610 mW, 800 mA, 124°, 3.45x3.45x2.06 mm	11,69	13,86
SMB1C-880D-S5, 880 nm, 610 mW, 800 mA, 78°, 3.45x3.45x2.80 mm	11,69	13,86
SMB1C-890DS, 890 nm, 1.4 W, 1 A, <4.0 V, 132°, 3.45x3.45x2.06 mm	14,33	16,99
SMB1C-890DS-S5, 890 nm, 1.4 W, 1 A, <4.0 V, 80°, 3.45x3.45x2.80 mm	14,33	16,99
<b>900 nm</b>		
SMB1C-910D, 910 nm, 850 mW, 1 A, <2.5 V, 126°, 3.45x3.45x2.06 mm	9,95	11,80
SMB1C-910D-S5, 910 nm, 850 mW, 1 A, <2.5 V, 82°, 3.45x3.45x2.80 mm	9,95	11,80
SMB1C-940D, 940 nm, 630 mW, 1 A, <1.8 V, 122°, 3.45x3.45x2.06 mm	9,95	11,80
SMB1C-940DS, 940 nm, 1.3 W, 1 A, <3.8 V, 132°, 3.45x3.45x2.06 mm	14,33	16,99
SMB1C-940D-S5, 940 nm, 630 mW, 1 A, <1.8 V, 78°, 3.45x3.45x2.80 mm	9,95	11,80
SMB1C-940DS-S5, 940 nm, 1.3 W, 1 A, <3.8 V, 76°, 3.45x3.45x2.80 mm	14,33	16,99
SMB1C-970D, 970 nm, 780 mW, 1 A, <2.5 V, 136°, 3.45x3.45x2.06 mm	10,32	12,24
SMB1C-970D-S5, 970 nm, 780 mW, 1 A, <2.5 V, 84°, 3.45x3.45x2.80 mm	10,32	12,24
SMB1C-980D, 980 nm, 400 mW, 800 mA, <2.0 V, 134°, 3.45x3.45x2.06 mm	10,32	12,24
SMB1C-980D-S5, 980 nm, 400 mW, 800 mA, <2.0 V, 76°, 3.45x3.45x2.80 mm	10,32	12,24
<b>1000 nm</b>		
SMB1C-1050D, 1050 nm, 200 mW, 1 A, <2.2 V, 132°, 3.45x3.45x2.06 mm	43,50	51,59
SMB1C-1050D-S5, 1050 nm, 200 mW, 1 A, <2.2 V, 88°, 3.45x3.45x2.80 mm	43,50	51,59
SMB1C-1050GD, 1050 nm, 750 mW, 1 A, <1.8 V, 122°, 3.45x3.45x2.06 mm	46,97	55,70
SMB1C-1050GD-S5, 1050 nm, 750 mW, 1 A, <1.8 V, 78°, 3.45x3.45x2.80 mm	46,97	55,70
SMB1C-1050S, 1050 nm, 52 mW, 500 mA, <1.65 V, 152°, 3.45x3.45x2.06 mm	43,50	51,59
SMB1C-1050S-S5, 1050 nm, 52 mW, 500 mA, <1.65 V, 92°, 3.45x3.45x2.80 mm	43,50	51,59
SMB1C-1100D, 1100 nm, 350 mW, 1 A, <1.8 V, 132°, 3.45x3.45x2.06 mm	43,50	51,59
SMB1C-1100D-S5, 1100 nm, 350 mW, 1 A, <1.8 V, 80°, 3.45x3.45x2.80 mm	43,50	51,59
SMB1C-1100S, 1100 nm, 52 mW, 500 mA, <1.65 V, 152°, 3.45x3.45x2.06 mm	43,50	51,59
SMB1C-1100S-S5, 1100 nm, 52 mW, 500 mA, <1.65 V, 92°, 3.45x3.45x2.80 mm	43,50	51,59
SMB1C-1150D, 1150 nm, 260 mW, 1 A, <1.8 V, 132°, 3.45x3.45x2.06 mm	43,50	51,59
SMB1C-1150D-S5, 1150 nm, 260 mW, 1 A, <1.8 V, 80°, 3.45x3.45x2.80 mm	43,50	51,59
SMB1C-1150S, 1150 nm, 50 mW, 500 mA, <1.4 V, 150°, 3.45x3.45x2.06 mm	43,50	51,59
SMB1C-1150S-S5, 1150 nm, 50 mW, 500 mA, <1.4 V, 88°, 3.45x3.45x2.80 mm	43,50	51,59
SMB1C-1200D, 1200 nm, 220 mW, 1 A, <1.7 V, 126°, 3.45x3.45x2.06 mm	43,50	51,59
SMB1C-1200D-S5, 1200 nm, 220 mW, 1 A, <1.7 V, 84°, 3.45x3.45x2.80 mm	43,50	51,59
SMB1C-1200S, 1200 nm, 50 mW, 500 mA, <1.4 V, 150°, 3.45x3.45x2.06 mm	43,50	51,59
SMB1C-1200S-S5, 1200 nm, 50 mW, 500 mA, <1.4 V, 88°, 3.45x3.45x2.80 mm	43,50	51,59
SMB1C-1300D, 1300 nm, 200 mW, 1 A, <1.7 V, 136°, 3.45x3.45x2.06 mm	43,50	51,59
SMB1C-1300D-S5, 1300 nm, 200 mW, 1 A, <1.7 V, 86°, 3.45x3.45x2.80 mm	43,50	51,59
SMB1C-1300S, 1300 nm, 45 mW, 500 mA, <1.4 V, 150°, 3.45x3.45x2.06 mm	43,50	51,59
SMB1C-1300S-S5, 1300 nm, 45 mW, 500 mA, <1.4 V, 88°, 3.45x3.45x2.80 mm	43,50	51,59
SMB1C-1450D, 1450 nm, 90 mW, 1 A, <1.7 V, 136°, 3.45x3.45x2.06 mm	43,50	51,59
SMB1C-1450D-S5, 1450 nm, 90 mW, 1 A, <1.7 V, 88°, 3.45x3.45x2.80 mm	43,50	51,59
SMB1C-1450S, 1450 nm, 25 mW, 500 mA, <1.4 V, 136°, 3.45x3.45x2.06 mm	43,50	51,59
SMB1C-1450S-S5, 1450 nm, 25 mW, 500 mA, <1.4 V, 78°, 3.45x3.45x2.80 mm	43,50	51,59
SMB1C-1550D, 1550 nm, 62 mW, 1 A, <1.7 V, 134°, 3.45x3.45x2.06 mm	43,50	51,59
SMB1C-1550D-S5, 1550 nm, 62 mW, 1 A, <1.7 V, 90°, 3.45x3.45x2.80 mm	43,50	51,59
SMB1C-1550S, 1550 nm, 20 mW, 500 mA, <1.4 V, 136°, 3.45x3.45x2.06 mm	43,50	51,59
SMB1C-1550S-S5, 1550 nm, 20 mW, 500 mA, <1.4 V, 78°, 3.45x3.45x2.80 mm	43,50	51,59
SMB1C-1650D, 1650 nm, 45 mW, 1 A, <1.6 V, 134°, 3.45x3.45x2.06 mm	43,50	51,59



SMB1C-1650S, 1650 nm, 16 mW, 500 mA, <1.5 V, 146°, 3.45x3.45x2.06 mm	43,50	51,59
SMB1C-1650S-S5, 1650 nm, 16 mW, 500 mA, <1.5 V, 90°, 3.45x3.45x2.80 mm	43,50	51,59
<b>ACCESSORIES for SMBxN LEDs</b>	<b>Status</b>	<b>EUR / pc</b> <b>USD / pc</b>
 <p><b>PCB boards</b> to get your SMB LEDs mounted easily! Available for SMB1W and SMB1N series size: 17 x 23 mm</p>		
SMB1N-PCB, PCB for SMB1N series, 17 x 23 mm	5,76	6,83
SMB1C-PCB, PCB for SMB1C series, 17 x 23 mm	5,76	6,83
 <p><b>Taped Lens</b> for SMB LEDs Clear Lens with holder, taped for easy mounting. Optical grade PMMA with high temperature resistance (105°C) size: Ø16.1 x 10.1 mm</p>		
SMB-LENS, 10 degree FWHM, PMMA, Ø16.1 x 10.1 mm	9,87	11,71


## GD35 HIGH POWER LEDS - SMD ↑



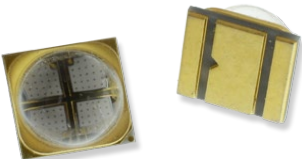
**Ceramic 3535 SMD package**  
**High power 1x1 mm<sup>2</sup> chip**  
**Silicone resin dome lens**

**PCBs available**

GD35 SMD High Power LEDs   UV - IR   370 - 1330 nm	Status	EUR / pc	USD / pc
<b>UV</b>			
GD35X-370-DL, 370 nm, 700 mA, 1200 mW, 3535 SMD, dome lens		3,90	4,63
GD35X-380-DL, 380 nm, 700 mA, 600 mW, 3535 SMD, dome lens		3,30	3,91
GD35X-390-DL, 390 nm, 700 mA, 500 mW, 3535 SMD, dome lens		3,30	3,91
GD35X-400-DL, 400 nm, 700 mA, 1000 mW, 3535 SMD, dome lens		3,30	3,91
<b>VIS</b>			
GD35V-445-DL, 445 nm, 350 mA, 10 lm, 3535 SMD, dome lens		2,80	3,32
GD35V-465-DL, 465 nm, 350 mA, 30 lm, 3535 SMD, dome lens		2,80	3,32
GD35V-480-DL, 480 nm, 350 mA, 55 lm, 3535 SMD, dome lens		4,20	4,98
GD35V-495-DL, 495 nm, 350 mA, 60 mW, 3535 SMD, dome lens		4,60	5,46
GD35V-525-DL, 525 nm, 350 mA, 120 lm, 3535 SMD, dome lens		2,80	3,32
GD35V-590-DL, 590 nm, 350 mA, 50 lm, 3535 SMD, dome lens		2,80	3,32
GD35V-625-DL, 625 nm, 350 mA, 65 lm, 3535 SMD, dome lens		4,20	4,98
GD35V-655-DL, 655 nm, 350 mA, 25 lm, 3535 SMD, dome lens		4,20	4,98
GD35V-675-DL, 675 nm, 350 mA, 400-600 mW, 3535 SMD, dome lens		4,20	4,98
<b>IR</b>			
GD35N-735-DL, 735 nm, 350 mA, 250 mW, 3535 SMD, dome lens		4,60	5,46
GD35N-845-DL, 845 nm, 350 mA, 250 mW, 3535 SMD, dome lens		4,25	5,04
GD35N-945-DL, 945 nm, 350 mA, 250 mW, 3535 SMD, dome lens		5,40	6,40
GD35N-1045-DL, 1045 nm, 350 mA, 200 mW, 3535 SMD, dome lens		11,90	14,11
GD35N-1330-DL, 1330 nm, 350 mA, 70 mW, 3535 SMD, dome lens		16,10	19,09

ACCESSORIES for GD35 LEDs	Status	EUR / pc	USD / pc
 <p><b>Aluminium PCB boards</b> for GD35 LEDs</p>			
GD35-PCB-8, PCB for GD35 series, aluminium, round, Ø 8 x 1 mm		1,20	1,42
GD35-PCB-10, PCB for GD35 series, aluminium, round, Ø 10 x 1 mm		1,20	1,42
GD35-PCB-14, PCB for GD35 series, aluminium, round, Ø 14 x 1 mm		1,20	1,42
GD35-PCB-20, PCB for GD35 series, aluminium, hexagonal, Ø 20 x 1.5 mm		1,20	1,42

## GD65 HIGH POWER LEDS - SMD ↑




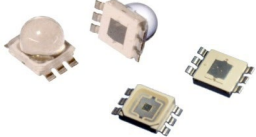
**Ceramic 6565 SMD package**  
**4 x high power 1x1 mm<sup>2</sup> chip**  
**Silicone resin dome lens**

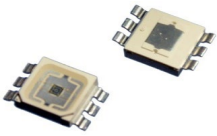
**PCBs available**

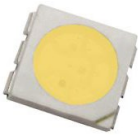
ACCESSORIES for GD65 LEDs	Status	EUR / pc	USD / pc
<b>UV</b>			
GD65X-365M-DL, 365 nm, 1400 mA, 2500 mW, 6565 SMD, dome lens		17,20	20,40
GD65X-385M-DL, 385 nm, 1400 mA, 2500 mW, 6565 SMD, dome lens		12,40	14,71





ACCESSORIES for GD65 LEDs	Status	EUR / pc	USD / pc
 <p><b>Copper PCB boards for GD65 LEDs</b></p> <p>GD65-PCB-20, PCB for GD65 series, copper, hexagonal, Ø 20 x 1.5 mm</p>		2,90	3,44


SMB1W SMD High Power LEDs   IR   700 - 1650 nm	Status	EUR / pc	USD / pc
 <p>1 W high power LED series, power chip technology, chip size 1 x 1 mm<sup>2</sup>, mounted on copper heat sink into a hermetic ceramic SMD package, with leads flat or with lens 395 nm - 940 nm available base size: 5.0 x 5.0 mm, silicone / epoxy mold</p>			
SMB1W-395R, 395 nm, 100 mW, 200 mA, <4.5 V, 126°	EOL	19,44	23,06
SMB1W-470-04, 470 nm, 170 mW, 250 mA, <3.8 V, 36°	EOL	14,14	16,77
SMB1W-490R, 490 nm, 160 mW, 250 mA, <4.1 V, 126°	EOL	12,37	14,67
SMB1W-525R, 525 nm, 55 mW, 200 mA, <3.8 V, 120°	EOL	12,37	14,67
SMB1W-670R, 675 nm, 200 mW, 600 mA, <2.0V, 124°	EOL	11,49	13,63
SMB1W-680R-I, 680 nm, 90 mW, 500 mA, <2.7 V, 124°, isolated	EOL	12,37	14,67
SMB1W-700-02, 700 nm, 90 mW, 500 mA, <2.7 V, 22°	EOL	9,19	10,90
SMB1W-700-04, 700 nm, 90 mW, 500 mA, <2.7 V, 48°	EOL	9,19	10,90
SMB1W-700-04-I, 700 nm, 90 mW, 500 mA, <2.7 V, 48°, isolated	EOL	14,14	16,77
SMB1W-750-04, 750 nm, 330 mW, 800 mA, <2.5 V, 42°	EOL	12,55	14,88
SMB1W-760-I, 760 nm, 330 mW, 800 mA, <2.5 V, 124°, isolated	EOL	11,66	13,83
SMB1W-760-04-I, 760 nm, 330 mW, 800 mA, <2.5 V, 48°, isolated	EOL	13,43	15,93
SMB1W-770R, 770 nm, 330 mW, 800 mA, <2.5V, 124°	EOL	11,66	13,83
SMB1W-770-04, 770 nm, 330 mW, 800 mA, <2.5V, 42°	EOL	12,55	14,88
SMB1W-780-02, 780 nm, 330 mW, 800 mA, <2.5 V, 22°	EOL	12,90	15,30
SMB1W-780-04-I, 780 nm, 330 mW, 800 mA, <2.5 V, 48°, isolated	EOL	13,43	15,93
SMB1W-850, 850 nm, 430 mW, 1.0 A, <2.5 V, 132°	EOL	9,90	11,74
SMB1W-850D, 850 nm, 600 mW, 1.0 A, <2.9 V, 126°	EOL	9,90	11,74
SMB1W-850D-04, 850 nm, 630 mW, 1.0 A, <2.5 V, 38°	EOL	11,49	13,63
SMB1W-870, 870 nm, 430 mW, 1.0 A, <2.5 V, 132°	EOL	9,90	11,74
SMB1W-870-I, 870 nm, 230 mW, 600 mA, <2.1 V, 132°, isolated	EOL	10,78	12,78
SMB1W-880R-I, 880 nm, 320 mW, 800 mA, <2.2 V, 132°, isolated	EOL	12,37	14,67
SMB1W-880-04-I, 880 nm, 320 mW, 800 mA, <2.2 V, 42°, isolated	EOL	12,55	14,88
SMB1W-940-04-I, 940 nm, 110 mW, 500 mA, <1.65 V, 50°, isolated	EOL	8,48	10,06


SMB1W SMD High Power LEDs   IR   700 - 1650 nm	Status	EUR / pc	USD / pc
 <p>high power LED series, power chip technology <b>multi chip</b> LEDs, mounted on copper heat sink into a hermetic ceramic SMD package 395 nm - 1050 nm available, different lenses available base size: 5.0 x 5.0 mm<sup>2</sup>, silicone / epoxy mold</p>			
SMB3W-420/525/640R-I, 420/525/640 nm, 115/60/110 mW, 300 mA, 124°, triple LED, isolated	EOL	44,53	52,81

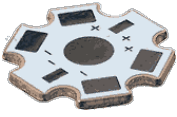
High Power TOP SMD LEDs	Status	EUR / pc	USD / pc
 <p>high power <b>multi-chip</b> SMD LED series <b>3 chips</b> inside lf: 3x 20 mA, +/-60° angle <b>► PHASE OUT</b></p>			
WTFH01DS, white, 3 cd, 3x20 mA, Vf 3.2V, ±60°, 6.0 x 5.0 x 1.7 mm	EOL	2,29	2,72
GNFH01TS, green, 523 nm, 1.3 cd, 3x20 mA, Vf 3.2V, ±60°, 6.0 x 5.0 x 1.7 mm	EOL	1,33	1,58
OMFH01TS, red, 626 nm, 540 mcd, 3x20 mA, Vf 2.3V, ±60°, 6.0 x 5.0 x 1.7 mm	EOL	1,00	1,19


ENHANCED POWER EP20 LEDs	Status	EUR / pc	USD / pc
 <p>high power LED series, 1 power chip inside, lf: 150 mA size: 15.6 x 11,2 mm<sup>2</sup> base, 10.0 x 14.10 mm dome <b>► PHASE OUT</b></p>			
EP2012-150A1, yellow, 590 nm, 35 cd, 150 mA, ±10°	EOL	6,16	7,31
EP204K-150B1, blue, 470 nm, 1.5 cd, 150 mA, ±50°	EOL	6,16	7,31


FAT HIGH POWER NARROW BEAM THREADED LEDs		Status	EUR / pc	USD / pc
	<p>ultra narrow beam angle power LED series  <b>5° and 10° viewing angle, 1 power chip</b>, clear epoxy package, square beam, no dark beam center from bonding wire, fast switching (30/40ns)  M12 x 1 thread package</p>			
JET-635-05, 635 nm, 110 mW, 500 mA, 5°, M12x1 thread			44,00	52,18
JET-635-10, 635 nm, 205 mW, 500 mA, 10°, M12x1 thread			44,00	52,18
JET-660-05, 655 nm, 135 mW, 500 mA, 5°, M12x1 thread			44,00	52,18
JET-660-07, 655 nm, 350 mA, 7-9°, M12x1 thread			44,00	52,18
JET-685-05, 680 nm, 70 mW, 700 mA, 5°, M12x1 thread			44,00	52,18
JET-685-10, 680 nm, 88 mW, 700 mA, 10°, M12x1 thread			44,00	52,18
JET-730-10, 730 nm, 130 mW, 500 mA, 10°, M12x1 thread			44,00	52,18
JET-800-10, 800 nm, 90 mW, 500 mA, 10°, M12x1 thread			44,00	52,18
JET-870-05, 870 nm, 90 mW, 500 mA, 5°, M12x1 thread			44,00	52,18
JET-870-10, 870 nm, 90 mW, 500 mA, 10°, M12x1 thread			44,00	52,18


ELJ HIGH POWER NARROW BEAM THREADED LEDs		Status	EUR / pc	USD / pc
	<p>narrow beam power LED series,  <b>1 power chip</b>, clear aspheric plastic lens, round beam  M10 x 1.5 thread package, metal case  available viewing angle: 10, 20, 40 and 85°  further wavelengths available on request</p>			
ELJ-465-627, 465 nm, 45 mW / 35 cd / 2.75 lm, 350 mA, 3.3 V, 15°			27,20	32,26
ELJ-525-627, 525 nm, 70 mW, 500 mA, 20°		EOL	32,55	38,60
ELJ-810-629, 810 nm, 110 mW, / 980 mW/sr, 1 A, 2.0 V, tr/ff 75 ns, 15°		EOL	27,20	32,26
ELJ-830-649, 830 nm, 280 mW, / 850 mW/sr, 1 A, <2.4 V, 35°		EOL	27,20	32,26
ELJ-850-629, 850 nm, 280 mW, / 2.0 W/sr, 1 A, 2.0 V, tr/ff 15/20 ns, 20°		EOL	27,20	32,26
ELJ-870-619, 870 nm, 220 mW, / 2.5 W/sr, 1 A, <2.3 V, 13°		EOL	27,20	32,26


APG2Cx HIGH POWER EMITTER LEDs		Status	EUR / pc	USD / pc
	<p>high power LED emitter  typ. 1 Watt electrical power  base diameter 7.4 mm, height 6.87 mm  package color: black or white  silicone lens</p>			
HP803NW, white, typ. 6000 K, 130-160 lm, 700 mA, Vf 4.0 V, 120°		EOL	6,75	8,01
APG2C3-NW, white, typ. 6000 K, 150-170 lm, 700 mA, Vf 4.0 V, 120°		EOL	6,75	8,01
APG2C3-WW, warm white, typ. 3300 K, 140-160 lm, 700 mA, Vf 4.0 V, 120°		EOL	6,75	8,01
APG2C1-375, 375 nm, 55 mW, 350 mA, Vf 3.7 V, ±75°, silicone lens		EOL	18,00	21,35
APG2C1-375-E, 375 nm, 200 mW, 350 mA, Vf 3.7 V, ±75°, silicone lens		EOL	21,00	24,91
APG2C1-385, 385 nm, 60 mW, 350 mA, Vf 3.7 V, ±75°, silicone lens		EOL	16,70	19,81
APG2C1-385-R2, 385 nm, 320 mW, 350 mA, Vf 3.6 V, ±75°, silicone lens		EOL	17,90	21,23
APG2C1-395, 395 nm, 55 mW, 350 mA, Vf 3.7 V, ±75°, silicone lens		EOL	16,00	18,98
APG2C1-405, 405 nm, 105 mW, 350 mA, Vf 3.7 V, ±75°, silicone lens		EOL	14,50	17,20
APG2C1-410, 410 nm, 125 mW, 350 mA, Vf 3.7 V, ±75°, silicone lens		EOL	7,93	9,40
APG2C1-410-R2, 410 nm, 400 mW, 350 mA, Vf <3.9 V, ±75°, silicone lens		EOL	13,00	15,42
APG2C1-420, 420 nm, 130 mW, 350 mA, Vf 3.7 V, ±75°, silicone lens		EOL	7,93	9,40
APG2C1-435, 435 nm, 380 mW, 350 mA, Vf 3.5 V, ±75°		EOL	7,93	9,40
APG2C1-450, 450 nm, 430 mW, 350 mA, Vf 3.1 V, ±75°		EOL	7,93	9,40
APG2C3-460, 470 nm, 20-30 lm, 700 mA, Vf 4.0 V, 120°		EOL	6,75	8,01
APG2C3-470, 470 nm, 20-40 lm, 700 mA, Vf 3.6 V, 120°		EOL	6,75	8,01
APG2C1-470, 470 nm, 200 mW, 350 mA, Vf 3.3 V, ±75°		EOL	7,93	9,40
APG2C3-470, 470 nm, 20-40 lm, 700 mA, Vf 3.6 V, 120°		EOL	6,75	8,01
APG2C1-480, 480 nm, 16-18cd, 350 mA, Vf 3.3 V, ±75°		EOL	7,93	9,40
APG2C1-490, 490 nm, 130 mW, 350 mA, Vf 3.3 V, ±75°		EOL	7,93	9,40
APG2C1-505, 505 nm, 130 mW, 350 mA, Vf 3.5 V, ±75°		EOL	7,93	9,40
APG2C1-515, 515 nm, 150 mW, 350 mA, Vf 3.3 V, ±75°		EOL	7,93	9,40
HP803PG, pure green, 530 nm, 80-110 lm, 700 mA, Vf 3.8 V, 120°		EOL	6,75	8,01
APG2C3-530, 530 nm, 90-120 lm, 700 mA, Vf 4.0 V, 120°		EOL	6,75	8,01
APG2C1-650, 650 nm, 60 mW, 350 mA, Vf 2.1 V, ±75°		EOL	7,93	9,40
APG2C1-660, 660 nm, 60 mW, 350 mA, Vf 2.1 V, ±75°		EOL	7,93	9,40
APG2C1-670, 670 nm, 60 mW, 350 mA, Vf 2.0 V, ±75°		EOL	7,93	9,40
APG2C5-670, 670 nm, typ. 250-300 mW, 2 A, ±75°, lambertian epoxy lens		EOL	26,00	30,83
APG2C1-680, 680 nm, 60 mW, 350 mA, Vf 2.0 V, ±75°		EOL	7,93	9,40
APG2C5-670, 670 nm, typ. 250-300 mW, 2 A, ±75°, lambertian epoxy lens		EOL	26,00	30,83
APG2C5-680, 680 nm, typ. 550 mW, 2 A, ±75°, lambertian epoxy lens		EOL	26,00	30,83
APG2C1-760, 760 nm, 70 mW, 350 mA, Vf 1.9 V, ±75°		EOL	7,93	9,40
APG2C1-780, 780 nm, 70 mW, 350 mA, Vf 1.7 V, ±75°		EOL	7,93	9,40
APG2C1-830, 830 nm, 70 mW, 350 mA, Vf 1.5 V, ±75°		EOL	7,93	9,40
APG2C1-850, 850 nm, 90 mW, 350 mA, Vf 1.5 V, ±75°		EOL	7,93	9,40
APG2C1-880, 880 nm, 90 mW, 350 mA, Vf 1.5 V, ±75°		EOL	7,93	9,40
APG2C1-905, 905 nm, 70 mW, 350 mA, Vf 1.3 V, ±75°		EOL	7,93	9,40

APG2C1-920, 920 nm, 80 mW, 350 mA, Vf 1.3 V, $\pm 75^\circ$	EOL	7,93	9,40	
APG2C1-940, 940 nm, 50 mW, 350 mA, Vf 1.3 V, $\pm 75^\circ$	EOL	7,93	9,40	
APG2C1-970, 970 nm, 40 mW, 350 mA, Vf 1.4 V, $\pm 75^\circ$	EOL	7,93	9,40	
APG2C1-1020, 1020 nm, 40 mW, 350 mA, Vf 1.4 V, $\pm 75^\circ$	EOL	28,30	33,56	
APG2C1-1030, 1030 nm, 60 mW, 350 mA, Vf 1.4 V, $\pm 75^\circ$	EOL	28,30	33,56	
APG2C1-1050, 1050 nm, 50 mW, 350 mA, Vf 1.4 V, $\pm 75^\circ$	EOL	28,30	33,56	
<b>ACCESSORIES FOR APG2Cx EMITTER LEDs</b>		<b>Status</b>	<b>EUR / pc</b>	<b>USD / pc</b>
	<p><b>PCB boards</b> to get your EMITTER package LEDs mounted easily! Aluminium base, HTCD thermally conductive dielectric, copper circuit foil: 35 <math>\mu\text{m}</math>, white solder mask surface finish, Pb-free, RoHS compliant</p> <p>size: 19 x 19.9 x 1.5 mm</p>			
PCB-STAR, PCB for High Power Emitter LEDs, white, hexagonal, 19.9x19.9x1.5 mm			1,20	1,42


<b>H2Ax HIGH POWER HEXAGONAL LEDs</b>	<b>Status</b>	<b>EUR / pc</b>	<b>USD / pc</b>
	<p>1 W high power LED series, diverse wavelengths, power chip technology, chip size 1 x 1 mm<sup>2</sup>, lambertian high dome lens diameter: 20 mm, mechanical compatible with many collimating lenses</p> <p><b>► PHASE OUT</b></p>		
H2A3-WW, warm white, typ. 3300 K, 140-160 lm, 700 mA, Vf 4.0 V, 120°	EOL	7,20	8,54
H2A1-H395, 395 nm, 55 mW, 350 mA, Vf 3.7 V, $\pm 75^\circ$ , silicone lens	EOL	16,50	19,57
H2A1-H410-R2, 410 nm, 400 mW, 350 mA, Vf <3.9 V, $\pm 75^\circ$ , silicone lens	EOL	13,50	16,01
H2A1-H420, 420 nm, 130 mW, 350 mA, Vf 3.7 V, $\pm 75^\circ$ , silicone lens	EOL	8,79	10,42
LXHL-MB1D, 470 nm, 10 lm, 350 mA, $\pm 60^\circ$	EOL	12,00	14,23
H2A1-H480, 480 nm, 16-18 cd, 350 mA, Vf 3.3 V, $\pm 75^\circ$	EOL	8,79	10,42
H2A1-H490, 490 nm, 130 mW, 350 mA, Vf 3.3 V, $\pm 75^\circ$	EOL	8,79	10,42
H2A1-H505, 505 nm, 130 mW, 350 mA, Vf 3.5 V, $\pm 75^\circ$	EOL	8,79	10,42
LXHL-ME1D, 505 nm, 30 lm, 350 mA, $\pm 60^\circ$	EOL	12,00	14,23
H2A1-H650, 650 nm, 40 mW, 350 mA, Vf 2.0 V, $\pm 75^\circ$	EOL	8,79	10,42
H2A1-H660, 660 nm, 60 mW, 350 mA, Vf 2.1 V, $\pm 75^\circ$	EOL	8,79	10,42
H2A1-H680, 680 nm, 60 mW, 350 mA, Vf 2.0 V, $\pm 75^\circ$	EOL	8,79	10,42
H2A1-H720, 720 nm, 70 mW, 350 mA, Vf 2.0 V, $\pm 75^\circ$	EOL	8,79	10,42
H2A1-H780, 780 nm, 70 mW, 350 mA, Vf 1.7 V, $\pm 75^\circ$	EOL	8,79	10,42
H2A1-H810, 810 nm, 90 mW, 350 mA, Vf 1.8 V, $\pm 75^\circ$	EOL	8,79	10,42
H2A1-H830, 830 nm, 70 mW, 350 mA, Vf 1.5 V, $\pm 75^\circ$	EOL	8,79	10,42
H2A1-H850, 850 nm, 90 mW, 350 mA, Vf 1.5 V, $\pm 75^\circ$	EOL	8,79	10,42
H2W5-850, 850 nm, 550 mW, 2 A, Vf typ. 2.0 V, $\pm 75^\circ$ , lambertian high dome lens	EOL	35,00	41,51
H2W5-870, 870 nm, 550 mW, 2 A, Vf typ. 2.0 V, $\pm 75^\circ$ , lambertian high dome lens	EOL	30,00	35,58
H2A1-H880, 880 nm, 90 mW, 350 mA, Vf 1.5 V, $\pm 75^\circ$	EOL	8,79	10,42
H2A1-H920, 920 nm, 80 mW, 350 mA, Vf 1.3 V, $\pm 75^\circ$	EOL	8,79	10,42
H2A1-H970, 970 nm, 40 mW, 350 mA, Vf 1.4 V, $\pm 75^\circ$	EOL	8,79	10,42


<b>HIGH POWER LUXEON FLASH LED</b>	<b>Status</b>	<b>EUR / pc</b>	<b>USD / pc</b>
			
LXCL-PWF1, white, typ. 53 lm, 1 A pulse, $\pm 60^\circ$	EOL	5,96	7,07


<b>H11A1 HIGH POWER LEDs</b>	<b>Status</b>	<b>EUR / pc</b>	<b>USD / pc</b>
	<p>high power LED, 20 mm diameter aluminium disk package, 1x1 mm<sup>2</sup> LED chip size 1 Watt electrical power available viewing angles: 30°, 60° or 120°</p> <p><b>► PHASE OUT</b></p>		
H11A1-HR-30, 625 nm, 10 cd, 20-25 mW, 350 mA, viewing angle 30°	EOL	3,23	3,83
H11A1-660-30, 660 nm, 20-25 mW, 350 mA, viewing angle 30°	EOL	5,70	6,76
H11A1-670-30, 670 nm, 20-25 mW, 350 mA, viewing angle 30°	EOL	5,70	6,76
H11A1-680-30, 680 nm, 20-25 mW, 350 mA, viewing angle 30°	EOL	5,70	6,76
H11A1-770-30, 770 nm, 28-35 mW, 350 mA, viewing angle 30°	EOL	5,70	6,76
H11A1-780-30, 780 nm, 110 mW, 500 mA, viewing angle 30°	EOL	5,70	6,76
H11A1-850-30, 850 nm, 350 mA, viewing angle 30°	EOL	5,70	6,76
H11A1-880-30, 880 nm, 30-40 mW, 350 mA, viewing angle 30°	EOL	5,70	6,76
H11A1-905-30, 905 nm, 25-30 mW, 350 mA, viewing angle 30°	EOL	5,70	6,76
H11A1-920-30, 920 nm, 350 mA, viewing angle 30°	EOL	5,70	6,76
H11A1-940-30, 940 nm, 25-30 mW, 350 mA, viewing angle 30°	EOL	5,70	6,76
H11A1-940-120, 940 nm, 25-30 mW, 350 mA, viewing angle 120°	EOL	5,70	6,76
H11A1-970-30, 970 nm, 350 mA, viewing angle 30°	EOL	5,70	6,76


C11A1 HIGH POWER LEDs		Status	EUR / pc	USD / pc
	<p>high power LED, 11 mm diameter aluminium disk package, 1x1 mm<sup>2</sup> LED chip size 1 Watt electrical power available viewing angles: 30°, 60° or 120°</p> <p>► PHASE OUT</p>			
C11A1-HU-30, 395-405 nm, 15-20 mW, 350 mA, viewing angle 30°	EOL	5,55	6,58	
C11A1-HU-60, 395-405 nm, 15-20 mW, 350 mA, viewing angle 60°	EOL	5,55	6,58	
C11A1-HU-120, 395-405 nm, 15-20 mW, 350 mA, viewing angle 120°	EOL	5,55	6,58	
C11A1-HW-30, white, 20 cd, 350 mA, viewing angle 30°	EOL	4,98	5,91	
C11A1-HW-60, white, 20 cd, 350 mA, viewing angle 60°	EOL	4,98	5,91	
C11A1-HW-120, white, 20 cd, 350 mA, viewing angle 120°	EOL	4,98	5,91	
C11A1-HW-120-S, soft white, 20 cd, 350 mA, viewing angle 120°	EOL	4,98	5,91	
C11A1-HB-30, 470 nm, 14 cd, 17-20 mW, 350 mA, viewing angle 30°	EOL	4,79	5,68	
C11A1-HB-120, 470 nm, 14 cd, 17-20 mW, 350 mA, viewing angle 120°	EOL	4,79	5,68	
C11A1-HC-30, 505 nm, 20 cd, 15-18 mW, 350 mA, viewing angle 30°	EOL	5,55	6,58	
C11A1-HC-120, 505 nm, 20 cd, 15-18 mW, 350 mA, viewing angle 120°	EOL	5,55	6,58	
C11A1-HG-30, 525 nm, 25 cd, 13-17 mW, 350 mA, viewing angle 30°	EOL	5,26	6,24	
C11A1-HY-120, 590 nm, 10 cd, 8-10 mW, 350 mA, viewing angle 120°	EOL	2,73	3,24	
C11A1-HR-120, 625 nm, 10 cd, 20-25 mW, 350 mA, viewing angle 120°	EOL	2,73	3,24	
C11A1-660-30, 660 nm, 20-25 mW, 350 mA, viewing angle 30°	EOL	5,17	6,13	
C11A1-670-30, 670 nm, 20-25 mW, 350 mA, viewing angle 30°	EOL	5,17	6,13	
C11A1-670-120, 670 nm, 20-25 mW, 350 mA, viewing angle 120°	EOL	5,17	6,13	
C11A1-680-30, 680 nm, 20-25 mW, 350 mA, viewing angle 30°	EOL	5,17	6,13	
C11A1-680-120, 680 nm, 20-25 mW, 350 mA, viewing angle 120°	EOL	5,17	6,13	
C11A1-690-30, 690 nm, 25-30 mW, 350 mA, viewing angle 30°	EOL	5,17	6,13	
C11A1-690-120, 690 nm, 25-30 mW, 350 mA, viewing angle 120°	EOL	5,17	6,13	
C11A1-720-60, 720 nm, 28-35 mW, 350 mA, viewing angle 60°	EOL	5,17	6,13	
C11A1-720-120, 720 nm, 28-35 mW, 350 mA, viewing angle 120°	EOL	5,17	6,13	
C11A1-760-30, 760 nm, 28-35 mW, 350 mA, viewing angle 30°	EOL	5,17	6,13	
C11A1-770-30, 770 nm, 28-35 mW, 350 mA, viewing angle 30°	EOL	5,17	6,13	
C11A1-780-30, 780 nm, 110 mW, 500 mA, viewing angle 30°	EOL	5,17	6,13	
C11A1-820-30, 820 nm, 38-46 mW, 350 mA, viewing angle 30°	EOL	5,17	6,13	
C11A1-850-30, 850 nm, 350 mA, viewing angle 30°	EOL	5,17	6,13	
C11A1-880-30, 880 nm, 30-40 mW, 350 mA, viewing angle 30°	EOL	5,17	6,13	
C11A1-905-30, 905 nm, 25-30 mW, 350 mA, viewing angle 30°	EOL	5,17	6,13	
C11A1-920-30, 920 nm, 25-30 mW, 350 mA, viewing angle 30°	EOL	5,17	6,13	
C11A1-940-30, 940 nm, 25-30 mW, 350 mA, viewing angle 30°	EOL	5,17	6,13	


M3L1 HIGH POWER LEDs		Status	EUR / pc	USD / pc
	<p>high power LED with M3 thread aluminium disk package, diameter 11 mm, thread length 6 mm 1x1 mm<sup>2</sup> chip 1 Watt electrical power</p> <p>► PHASE OUT</p>			
M3L1-HW-60, white, 16 cd, 350 mA, viewing angle 60°	EOL	6,20	7,35	
M3L1-HW-120, white, 15 cd, 350 mA, viewing angle 120°	EOL	6,20	7,35	
M3L1-HU-30, 395-405 nm, 15-20 mW, 350 mA, viewing angle 30°	EOL	6,73	7,98	
M3L1-HU-60, 395-405 nm, 15-20 mW, 350 mA, viewing angle 60°	EOL	6,73	7,98	
M3L1-HU-120, 395-405 nm, 15-20 mW, 350 mA, viewing angle 120°	EOL	6,73	7,98	
M3L1-HB-30, 470 nm, 14 cd, 17-20 mW, 350 mA, viewing angle 30°	EOL	6,02	7,14	
M3L1-HB-120, 470 nm, 10 cd, 17-20 mW, 350 mA, viewing angle 120°	EOL	6,02	7,14	
M3L1-HC-120, 505 nm, 17 cd, 15-18 mW, 350 mA, viewing angle 120°	EOL	6,73	7,98	
M3L1-HG-30, 525 nm, 25 cd, 13-17 mW, 350 mA, viewing angle 30°	EOL	6,46	7,66	
M3L1-HG-60, 525 nm, 22 cd, 13-17 mW, 350 mA, viewing angle 60°	EOL	6,46	7,66	
M3L1-HG-120, 525 nm, 20 cd, 13-17 mW, 350 mA, viewing angle 120°	EOL	6,46	7,66	
M3L1-HY-30, 590 nm, 10 cd, 8-10 mW, 350 mA, viewing angle 30°	EOL	3,90	4,63	
M3L1-HY-60, 590 nm, 8 cd, 8-10 mW, 350 mA, viewing angle 60°	EOL	3,90	4,63	
M3L1-HY-120, 590 nm, 7 cd, 8-10 mW, 350 mA, viewing angle 120°	EOL	3,90	4,63	
M3L1-HR-30, 625 nm, 10 cd, 20-25 mW, 350 mA, viewing angle 30°	EOL	3,90	4,63	
M3L1-HR-120, 625 nm, 7 cd, 20-25 mW, 350 mA, viewing angle 120°	EOL	3,90	4,63	
M3L1-670-30, 670 nm, 20-25 mW, 350 mA, viewing angle 30°	EOL	6,37	7,55	
M3L1-680-30, 680 nm, 20-25 mW, 350 mA, viewing angle 30°	EOL	6,37	7,55	
M3L1-740-120, 740 nm, 28-35 mW, 350 mA, viewing angle 120°	EOL	6,37	7,55	
M3L1-760-30, 760 nm, 28-35 mW, 350 mA, viewing angle 30°	EOL	6,37	7,55	
M3L1-770-30, 770 nm, 28-35 mW, 350 mA, viewing angle 30°	EOL	6,37	7,55	
M3L1-880-30, 880 nm, 30-40 mW, 350 mA, viewing angle 30°	EOL	6,37	7,55	
M3L1-905-30, 905 nm, 25-30 mW, 350 mA, viewing angle 30°	EOL	6,37	7,55	
M3L1-920-30, 920 nm, 25-30 mW, 350 mA, viewing angle 30°	EOL	6,37	7,55	
M3L1-940-30, 940 nm, 25-30 mW, 350 mA, viewing angle 30°	EOL	6,37	7,55	
M3L1-940-120, 940 nm, 25-30 mW, 350 mA, viewing angle 120°	EOL	6,37	7,55	
M3L1-970-30, 970 nm, 350 mA, viewing angle 30°	EOL	6,37	7,55	

C20A1 HIGH POWER LEDs	Status	EUR / pc	USD / pc
 <p>high power LED, aluminium disk package, diameter 20 mm, 1x1 mm<sup>2</sup> chip size 1 Watt electrical power</p>			
RLT-WNP1000-02, white, x .28,y .28, 20 lm, 350 mA, 60° full angle	EOL	6,62	7,85
RLT-WNP600-02, white, x .28,y .28, 5 lm, 100 mA, 60° full angle	EOL	2,84	3,37
C20A1-HU-30, 395-405 nm, 15-20 mW, 350 mA, Vf <4.0 V, 30°	EOL	5,86	6,95
RLT-BNP1000-02, 470 nm, 11 lm, 350 mA, 60° full angle	EOL	5,67	6,72
RLT-BNP600-02, 470 nm, 3 lm, 100 mA, 60° full angle	EOL	2,27	2,69
C20A1-HC-30, 505 nm, 20 cd, 15-18 mW, 350 mA, Vf <4.0 V, 30°	EOL	5,86	6,95
RLT-GNP1000-02, 525 nm, 20 lm, 350 mA, 60° full angle	EOL	6,14	7,28
RLT-YUP600-02, 587 nm, 4 lm, 100 mA, 60° full angle	EOL	1,51	1,79
C20A1-HR-60, 625 nm, 7.0-8.5 cd, 20-25 mW, 350 mA, Vf <2.8 V, 60°	EOL	3,12	3,70
C20A1-HR-120, 625 nm, 7.0-8.5 cd, 20-25 mW, 350 mA, Vf <2.8 V, 120°	EOL	3,12	3,70
C20A1-H650-30, 650 nm, 70 mW, 350 mA, Vf <2.2 V, 30°	EOL	5,48	6,50
C20A1-H660-30, 660 nm, 20-25 mW, 350 mA, Vf <2.5 V, 30°	EOL	5,48	6,50
C20A1-H670-30, 670 nm, 90 mW, 350 mA, Vf <2.0 V, 30°	EOL	5,48	6,50
C20A1-H680-30, 680 nm, 25-30 mW, 350 mA, Vf <2.5 V, 30°	EOL	5,48	6,50
C20A1-H690-30, 690 nm, 25-30 mW, 350 mA, Vf <2.5 V, 30°	EOL	5,48	6,50
C20A1-H720-30, 720 nm, 28-35 mW, 350 mA, Vf <2.5 V, 30°	EOL	5,48	6,50
C20A1-H740-30, 740 nm, 28-35 mW, 350 mA, Vf <2.5 V, 30°	EOL	5,48	6,50
C20A1-H740-60, 740 nm, 28-35 mW, 350 mA, Vf <2.5 V, 60°	EOL	5,48	6,50
C20A1-H770-30, 770 nm, 28-35 mW, 350 mA, Vf <2.5 V, 30°	EOL	5,48	6,50
C20A1-H810-30, 810 nm, 38-46 mW, 350 mA, Vf <2.5 V, 30°	EOL	5,48	6,50
C20A1-H820-30, 820 nm, 38-46 mW, 350 mA, Vf <2.5 V, 30°	EOL	5,48	6,50
C20A1-H850-30, 850 nm, 350 mA, Vf <3.0 V, 30°	EOL	5,48	6,50
C20A1-H870-30, 870 nm, 350 mA, Vf <3.0 V, 30°	EOL	11,15	13,22
C20A1-H880-30, 880 nm, 30-40 mW, 350 mA, Vf <2.5 V, 30°	EOL	5,48	6,50
C20A1-H905-30, 905 nm, 25-30 mW, 350 mA, Vf <2.5 V, 30°	EOL	5,48	6,50
C20A1-H940-30, 940 nm, 25-30 mW, 350 mA, Vf <2.5 V, 30°	EOL	5,48	6,50

R-HP803 HIGH POWER LEDs	Status	EUR / pc	USD / pc
 <p>high power LED emitter, 3 Watt electrical power, highest flux, very long operating life (&gt;50000 hr) higher energy efficiency than incandescent and most halogen lamps low voltage DC operation instant light on/off (less than 100 ns) superior ESD protection, size: 25 x 25 mm<sup>2</sup>, height 8.32 mm, optional with 15 degree collimator lens</p>			
R-HP803NW, white, typ. 6000 K, 55 lm, 700 mA, Vf 4.0 V, 120°	EOL	7,20	8,54
R-HP803WW, warm white, typ. 3300 K, 45 lm, 700 mA, Vf 4.0 V, 120°	EOL	7,20	8,54
R-HP803NO, 590 nm, 36 lm, 700 mA, Vf 3.0 V, 120°	EOL	6,35	7,53

C20C3 HIGH POWER RGB LEDs	Status	EUR / pc	USD / pc
 <p>high power RGB LED, aluminium disk package, diameter 20 mm, diverse wavelengths, power chip technology 1x1 mm<sup>2</sup> chip size. 3 x 1 Watt electrical power, other wavelengths on request</p>			
C20C3-HYGB-60, 585/515/460 nm, 8/9/3 lm, 3x 350 mA, viewing angle 60°	EOL	5,64	6,69
C20C3-HYRB-60, 585/620/460 nm, 8/6/3 lm, 3x 350 mA, viewing angle 60°	EOL	5,08	6,02

HIGH POWER RGB EMITTER LEDs	Status	EUR / pc	USD / pc
 <p>high power RGB LED series, emitter type package 6 pins, 3 x anode, 3 x cathode viewing angle typ. 80°, 3 power ranks: 1.5 W -&gt; 3 LED chips each 500 mW 3.0 W -&gt; 3 LED chips each 1 W 9.0 W -&gt; 3 LED chips each 3 W</p>			
A6-RGB-1.5, 620/515/460 nm, 5/12/4 lm, 3x150 mA, 1.5 W, ±40°, 3x anode 3x cathode	EOL	4,20	4,98
A6-RGB-3, 620/515/460 nm, 23/45/12 lm, 3x350 mA, 3.0 W, ±40°, 3x anode 3x cathode	EOL	6,50	7,71
AR58G05B24BC-A, 620/515/460 nm, 15/15.4/6 lm, 3x350 mA, 3 W, ±40°, common anode	EOL	11,70	13,88
AR58G05B24BC-C, 620/515/460 nm, 15/15.4/6 lm, 3x350 mA, 3 W, ±40°, common cathode	EOL	11,70	13,88
AR57G62B66BC-C, 620/515/460 nm, 4.5/10/3 lm, 3 x 150 mA, 1.5 W, ±40°	EOL	7,18	8,52

HIGH POWER RGB HEXAGONAL LEDs	Status	EUR / pc	USD / pc
 <p>high power RGB LED series, hex type package 6 pins, 3 x anode, 3 x cathode viewing angle typ. 80°, 3 power ranks: 1.5 W -&gt; 3 LED chips each 500 mW 3.0 W -&gt; 3 LED chips each 1 W 9.0 W -&gt; 3 LED chips each 3 W</p>			
H6-RGB-1.5, 620/515/460 nm, 5/12/4 lm, 3x150 mA, 1.5 W, ±40°, 3x anode 3x cathode	EOL	4,70	5,57
H4-AR58G05B24BC-C, 620/515/460 nm, 15/15.4/6 lm, 3x350 mA, 3 W, ±40°, common -	EOL	12,20	14,47
H4-AR58G05B24BC-A, 620/515/460 nm, 15/15.4/6 lm, 3x350 mA, 3 W, ±40°, common +	EOL	12,20	14,47

# OPTICS FOR HIGH POWER LEDs



## NARROW BEAM LENS SERIES

Status

EUR / pc

USD / pc



diverse optics for high power LEDs

material: polycarbonate  
designed for Luxeon

10048, 4 degree half angle optic	4,12	4,89
10049, 4 x 25 degree half angles optic	4,12	4,89
10003, 6 degree half angle optic	3,14	3,72
10003/15, 15 degree half angle optic	3,14	3,72
10003/25, 25 degree half angle optic	3,14	3,72
10003/L25, 6 x 25 degree half angles line optic	3,14	3,72
10034, fiber coupling optic, designed for 8-12 mm, NA 0.50 fiber bundles	3,86	4,58

## HOLDERS FOR NARROW BEAM LENS SERIES

Status

EUR / pc

USD / pc



diverse lens holders for 1, 3 and 5 watt power LEDs

10012, LED optic holder, round, black, for 1 W, LED	0,68	0,81
10043, LED optic holder, hexagonal, black, for 3 W, / 5 W, LED	0,68	0,81
10065, 4° optic holder for 1 W, Luxeon, white, 17.15 x 22.7 mm	0,87	1,03
10076, 4° optic holder for 3 W, / 5 W, Luxeon, black, 16.15 x 21.7 mm	0,87	1,03
10077, 4° optic holder for 3 W, / 5 W, Luxeon, white, 16.15 x 21.7 mm	0,87	1,03
12061, 4° optic holder for 3 W, / 5 W, Luxeon, white, 16.15 x 29.0 mm	0,87	1,03

## ULTRA NARROW BEAM CATADIOPTIC LENS SERIES

Status

EUR / pc

USD / pc

CATADIOPTIC collimating lens for LEDs  
- +/- 2° ultra narrow beam  
- ideal for far distance and spot illumination  
- suitable for: Cree, Seoul, Avago, Luxeon  
- material: polycarbonate  
- efficiency ~70%

10158, 2 degree half angle spot optic, diameter 60 mm, height 11 mm, polycarbonate	17,93	21,26
10145, spreader lens for 10158 optic	1,22	1,45
10146, holder for 10158 optic	1,62	1,92

## REFLECTORS FOR HIGH POWER LEDs

Status

EUR / pc

USD / pc

metalized reflectors, material polycarbonate  
available for power LEDs with lambertian lens  
design and for Acriche LEDs

recommended optic for narrow beam generation

12527, Reflector, 17.0 mm, wide spot, UV stabilised PC	1,25	1,48
12530, Reflector, 17.0 mm, medium spot, UV stabilised PC	1,25	1,48
CLP17CR, 6° reflector for lambertian LED, metalized polycarbonate 17.5 x 10.7 mm [DxH]	2,33	2,76
CLP20CR, 6° reflector for lambertian LED, metalized polycarbonate 20.5 x 15.7 mm [DxH]	2,33	2,76
CLP23CR, 20° reflector for Acriche LED, metalized polycarbonate 23.0 x 13.3 mm [DxH]	3,54	4,20
CLP28ACR, 12° reflector for Acriche LED, metalized polycarbonate 27.5 x 18.3 mm [DxH]	3,54	4,20

# HIGH POWER LED ARRAYS



## TO-66 HIGH POWER LED ARRAYS - 60 Chips Resin | 365 - 1650 nm

Status

EUR / pc


USD / pc


**TO-66 High Power LED Array**  
Silicone / Epoxy Resin**60 chips array** inside (6x10 chips on a 50 mm<sup>2</sup> footprint)  
365 nm - 1550 nm available

Lens and Heat Sink available


UV			
LED375-66-60, 375 nm, 150 mW, 200 mA, 60 chips, TO-66		204,52	242,55
LED385-66-60, 385 nm, 150 mW, 240 mA, 60 chips, TO-66		204,52	242,55
LED395-66-60, 395 nm, 670 mW, 240 mA, 60 chips, TO-66		213,82	253,58
VIS			
LED405-66-60, 405 nm, 310 mW, 240 mA, 60 chips, TO-66		197,91	234,71
LED420-66-60, 420 nm, 550 mW, 400 mA, 60 chips, TO-66		204,52	242,55
LED430-66-60, 430 nm, 690 mW, 240 mA, 60 chips, TO-66		204,52	242,55
LED435-66-60, 435 nm, 550 mW, 400 mA, 60 chips, TO-66		208,07	246,76


LED450-66-60, 450 nm, 700 mW, 240 mA, 60 chips, TO-66	180,10	213,59
LED470-66-60, 470 nm, 4.5 cd 120 mW, 240 mA, 60 chips, TO-66	186,26	220,90
LED505-66-60, 505 nm, 60 mW, 240 mA, 60 chips, TO-66	186,26	220,90
LED525-66-60, 525 nm, 400 mW, 240 mA, 122°, 60 chips, TO-66	186,26	220,90
LED545-66-60, 545 nm, 140 mW, 240 mA, 17 V, 118°, 60 chips, TO-66	551,84	654,46
LED565-66-60, 565 nm, 1.25 cd 8 mW, 240 mA, 60 chips, TO-66	60,26	71,47
LED570-66-60, 570 nm, 7 cd 36 mW, 240 mA, 60 chips, TO-66	64,50	76,49
LED590-66-60, 590 nm, 170 mW, 240 mA, 60 chips, TO-66	106,28	126,04
LED620-66-60, 620 nm, 7 cd 120 mW, 240 mA, 60 chips, TO-66	106,28	126,04
LED630-66-60, 630 nm, 7 cd 140 mW, 240 mA, 60 chips, TO-66	106,28	126,04
LED645-66-60, 645 nm, 7 cd 120 mW, 240 mA, 60 chips, TO-66	108,15	128,26
LED660-66-60, 660 nm, 3.5 cd 180 mW, 240 mA, 60 chips, TO-66	EOL	38,10 45,19
LED660N-66-60, 660 nm, 62.8 cd, 2.4 W, 1.2 A, 60 chips, TO-66	106,28	126,04
LED670-66-60, 670 nm, 450 mW, 240 mA, 60 chips, TO-66	178,04	211,15
LED680-66-60, 680 nm, 300 mW, 240 mA, 9.8 V, 120°, 60 chips, TO-66	178,04	211,15
LED690-66-60, 690 nm, 300 mW, 240 mA, 60 chips, 128°, TO-66	178,04	211,15
<b>IR</b>		
LED700-66-60, 700 nm, 300 mW, 240 mA, 60 chips, TO-66	185,85	220,41
LED720-66-60, 720 nm, 550 mW, 600 mA, 60 chips, TO-66	155,22	184,08
LED735-66-60, 735 nm, 1 W, 600 mA, 60 chips, TO-66	155,22	184,08
LED740-66-60, 740 nm, 1 W, 600 mA, 60 chips, TO-66	155,22	184,08
LED750-66-60, 750 nm, 1 W, 600 mA, 60 chips, TO-66	155,22	184,08
LED760-66-60, 760 nm, 1 W, 600 mA, 60 chips, TO-66	155,22	184,08
LED780-66-60, 780 nm, 840 mW, 600 mA, 130°, 60 chips, TO-66	168,00	199,24
LED790-66-60, 790 nm, 1 W, 600 mA, 60 chips, TO-66	149,74	177,59
LED810-66-60, 810 nm, 1 W, 600 mA, 60 chips, TO-66	149,74	177,59
LED840-66-60, 840 nm, 60 chips, TO-66	151,44	179,60
LED850-66-60, 850 nm, 1.5 W, 800 mA, 60 chips, TO-66	EOL	120,16 142,50
LED870-66-60, 870 nm, 1.5 W, 800 mA, 60 chips, TO-66	124,17	147,26
LED880-66-60, 880 nm, 1.5 W, 800 mA, 60 chips, TO-66	124,17	147,26
LED890-66-60, 890 nm, 0.85 W, 800 mA, 60 chips, TO-66	113,58	134,70
LED910-66-60, 910 nm, 600 mW, 800 mA, 60 chips, TO-66	159,00	188,57
LED940-66-60, 940 nm, 550 mW, 600 mA, 60 chips, TO-66	84,37	100,06
LED950-66-60, 950 nm, 60 chips, TO-66	84,37	100,06
LED970-66-60, 970 nm, 500 mW, 800 mA, 60 chips, TO-66	100,43	119,11
LED980-66-60, 980 nm, 150 mW, 600 mA, 60 chips, TO-66	120,52	142,93
LED990-66-60, 990 nm, 100 mW, 600 mA, 6.5V, 60 chips, TO-66	208,00	246,68
LED1050S-66-60, 1050 nm, 110 mW, 600 mA, 5.7 V, 130°, 60 chips, TO-66	345,00	409,16
LED1050D-66-60, 1050 nm, 390 mW, 600 mA, 5.3 V, 128°, 60 chips, TO-66	345,00	409,16
LED1070-66-60, 1070 nm, 60 mW, 600 mA, 60 chips, TO-66	337,83	400,65
LED1070D-66-60, 1070 nm, 600 mA, 60 chips, TO-66	o.r.	o.r.
LED1200D-66-60, 1200 nm, 390 mW, 600 mA, 5.3 V, 128°, 60 chips, TO-66	345,00	409,16
LED1300S-66-60, 1300 nm, 120 mW, 600 mA, 4.9 V, 128°, 60 chips, TO-66	345,00	409,16
LED1300D-66-60, 1300 nm, 410 mW, 600 mA, 5.3 V, 128°, 60 chips, TO-66	345,00	409,16
LED1450S-66-60, 1450 nm, 70 mW, 600 mA, 4.6 V, 128°, 60 chips, TO-66	345,00	409,16
LED1450D-66-60, 1450 nm, 240 mW, 600 mA, 5.3 V, 128°, 60 chips, TO-66	345,00	409,16
LED1550D-66-60, 1550 nm, 180 mW, 600 mA, 4.8 V, 120°, 60 chips, TO-66	345,00	409,16
LED1050GD-66-60, 1050 nm, 1.6 W, 600 mA, 6.5 V, 128°, 60 chips, TO-66	581,30	689,40
LED1650D-66-60, 1650 nm, 90 mW, 600 mA, 5.3 V, 128°, 60 chips, TO-66	345,00	409,16
further wavelengths available on request		


TO-66 HIGH POWER LED ARRAYS - 60 Chips Glass Window   365 - 435 nm	Status	EUR / pc	USD / pc
 <p><b>TO-66 High Power LED Array Flat Glass Window</b> 60 chips array inside (6x10 chips on a 50 mm² footprint) 365 nm - 435 nm available Lens and Heat Sink available</p>			
LED365-66-60-110, 365 nm, 130 mW, 240 mA, 17 V, 102°, 60 chips, TO-66		272,09	322,69
LED375-66-60-110, 375 nm, 150 mW, 200 mA, 60 chips, TO-66		272,09	322,69
LED385-66-60-110, 385 nm, 150 mW, 240 mA, 60 chips, TO-66		272,09	322,69
LED405-66-60-110, 405 nm, 300 mW, 400 mA, 60 chips, TO-66		261,13	309,69
LED415-66-60-110, 415 nm, 300 mW, 240 mA, 60 chips, TO-66		261,13	309,69
LED420-66-60-110, 420 nm, 550 mW, 400 mA, 60 chips, TO-66		261,13	309,69
LED430-66-60-110, 430 nm, 550 mW, 400 mA, 60 chips, TO-66		261,13	309,69
LED435-66-60-110, 435 nm, 60 chips, TO-66		261,13	309,69


TO-66 HIGH POWER LED ARRAYS - 16 Power Chips Resin   385 - 1550 nm	Status	EUR / pc	USD / pc
 <p><b>TO-66 High Power LED Array Flat Glass Window or Silicone / Epoxy Resin</b> 16 power LED chips inside, 4 x 4 matrix, 365 nm - 980 nm available Lens and Heat Sink available</p>			
LED385-66-16100, 385 nm, 170 mW, 200 mA, 13 V, 120°, 16 chips, TO-66		256,30	303,96
LED415-66-16100, 415 nm, 120°, 16 chips, TO-66		208,07	246,76
LED415-66-16100-110, 415 nm, 120°, 16 chips, TO-66		o.r.	o.r.
LED435V-66-16100, 435 nm, 7.5 W, 2 A, 130°, 16 chips, TO-66		292,59	347,00
LED470V-66-16100, 470 nm, 8.0 W, 2.0 A, 12.8 V, 124°, 16 chips, TO-66		188,64	223,72
LED525-66-16100, 525 nm, x W, x A, x°, 16 chips, TO-66		189,50	224,74


LED660N-66-16100, 660 nm, 4.8 W, 1.4 A, 8.8 V, 124°, 16 chips, TO-66	113,22	134,27
LED680-66-16100, 680 nm, 450 mW, 1.4 A, 7.7 V, 120°, 16 chips, TO-66	178,04	211,15
LED690D-66-16100, 690 nm, 5.9 W, 2.4 A, 10 V, 124°, 16 chips, TO-66	195,39	231,72
LED720-66-16100, 720 nm, 550 mW, 1.4 A, 7.4 V, 120°, 16 chips, TO-66	178,04	211,15
LED735-66-16100, 735 nm, >500 mW, 1.4 A, 120°, 16 chips, TO-66	178,04	211,15
LED740-66-16100, 740 nm, 450 mW, 1.4 A, 5.5 V, 120°, 16 chips, TO-66	178,04	211,15
LED740D-66-16100, 740 nm, 4.3 W, 2.4 A, 128°, 16 chips, TO-66	180,45	214,01
LED750D-66-16100, 750 nm, 6.5 W, 3.2 A, 8.1 V 130°, 16 chips, TO-66	180,45	214,01
LED760D-66-16100, 760 nm, 5.7 W, 3.2 A, 8.6 V, 128°, 16 chips, TO-66	180,45	214,01
LED780-66-16100, 780 nm, 2.8 W, 3.2 A, 8.0 V, 120°, 16 chips, TO-66	EOL	178,04
LED780D-66-16100, 780 nm, 5.6 W, 3.2 A, 8.7 V, ±64°, 16 chips, TO-66	180,25	213,77
LED790-66-16100, 790 nm, 120°, 16 chips, TO-66	171,65	203,57
LED810-66-16100, 810 nm, 900 mW, 1.4 A, 6.8 V, 120°, 16 chips, TO-66	171,65	203,57
LED830N-66-16100, 830 nm, 16 chips, TO-66	157,92	187,29
LED850D-66-16100, 850 nm, 8 W, 4 A, 8.4 V, 126°, 16 chips, TO-66	138,81	164,62
LED870-66-16100, 870 nm, 5 W, 4 A, 7.2V, 120°, 16 chips, TO-66	138,81	164,62
LED920-66-16100, 920 nm, 650 mW, 2.0 A, 5.5 V, 120°, 16 chips, TO-66	93,13	110,45
LED940-66-16100, 940 nm, 1000 mW, 2.4 A, 120°, 16 chips, TO-66	93,13	110,45
LED940D-66-16100, 940 nm, 9.4 W, 4 A, 122°, 16 chips, TO-66	142,00	168,41
LED950-66-16100, 950 nm, 750 mW, 2.0 A, 5.5 V, 120°, 16 chips, TO-66	93,13	110,45
LED1050S-66-16100, 1050 nm, 220 mW, 2 A, 4.8 V, 136°, 16 chips, TO-66	306,00	362,90
LED1050GD-66-16100, 1050 nm, 4 W, 2A, 134°, 16 chips, TO-66	o.r.	o.r.
LED1200S-66-16100, 1200 nm, 280 mW, 2 A, 4.4 V, 138°, 16 chips, TO-66	306,00	362,90
LED1300S-66-16100, 1300 nm, 200 mW, 2 A, 4.1 V, 138°, 16 chips, TO-66	306,00	362,90
LED1450S-66-16100, 1450 nm, 110 mW, 2 A, 134°, 16 chips, TO-66	306,00	362,90
LED1550S-66-16100, 1550 nm, 95 mW, 2 A, 132°, 16 chips, TO-66	o.r.	o.r.


TO-66 HIGH POWER LED ARRAYS   WHITE	Status	EUR / pc	USD / pc
 <p><b>TO-66 High Power LED Array</b> Silicone / Epoxy Resin 12/16 power LED chips inside, white Lens and Heat Sink available</p>			
LED47W-66-12100, white, 120°, 12 chips, TO-66	EOL	151,97	180,23
LED47W-66-16100, white, 80 lm, 1.2 A, 13 V, 120°, 16 chips, TO-66	EOL	185,54	220,04


ACCESSORIES for TO-66 HIGH POWER LED ARRAYS	Status	EUR / pc	USD / pc
 <p>Heat sink, thermal grease, and lenses for TO-66 high power LEDs</p>			
HEAT SINK 47X10-5, heat sink for TO-66, aluminium, black anodized, 47.5 x 10 mm		6,15	7,29
HEAT SINK 47X20, heat sink for TO-66, aluminium, black anodized, 54 g, 47.5 x 20 mm		9,33	11,06
ST-700, Thermal Grease, 10% AgOx, TC >7.5 W/mK, 1 g		1,27	1,51
LED-OPTIC-18, aspheric glass lens, 18 mm aperture, ±30°, f: 13.5 mm, for TO-66 LED series		17,87	21,19
LED-OPTIC-12, aspheric glass lens, 12 mm aperture, ±30°, f: 12.0 mm, for TO-66 LED series		17,38	20,61
LENS-13, plastic lens/reflector, ±15°, for TO-66 LED series		32,00	37,95


FAT HIGH POWER NARROW BEAM THREADED LED ARRAYS	Status	EUR / pc	USD / pc
 <p>high power LED array 6 power chips inside, jumbo package, wavelength 655 nm, 685 nm, 800 nm or 870 nm M18 x 1mm thread mounting</p>			
FAT-655-40, 655 nm, 150 mW, 250 mA, 12.9 V, tr/ff 80/100 ns, 40°, M18x1 thread		63,00	74,72
FAT-685-40, 685 nm, 250 mW, 250 mA, 12.4 V, tr/ff 80/100 ns, 40°, M18x1 thread		63,00	74,72
FAT-800-40, 800 nm, 350 mW, 350 mA, 10 V, tr/ff 80/100 ns, 40°, M18x1 thread		46,20	54,79
FAT-870-40, 870 nm, 350 mW, 350 mA, 10 V, tr/ff 80/100 ns, 40°, M18x1 thread		46,20	54,79


ELJ HIGH POWER NARROW BEAM THREADED LED ARRAYS	Status	EUR / pc	USD / pc
 <p>high power LED array, 6 chips, Jumbo package, wavelengths at 590 nm, 640 nm, 660 nm, 810 nm, 880 nm, 920 nm, 950 nm M10 x 1.5 mm thread package</p>			
ELJ-595-225B, 590 nm, 12 mW, 100 mA, 15°, M10x1.5	EOL	26,50	31,43
ELJ-630-215, 630 nm, 58 mW, 100 mA, 12°, M10x1.5	EOL	26,50	31,43

10 mm THROUGH HOLE LED ARRAYS		Status	EUR / pc	USD / pc
	high power LED series, 4 parallel chips inside, If: 80 mA, 10 mm clear epoxy			
10W43-HCA-H, white, 13-15 cd, 80 mA, Vf <4.0 V, 60°		EOL	2,80	3,32
RLS-10W2P4D, white, 22 cd, 80 mA, Vf <3.4 V, 8-10°, 10 mm epoxy			3,64	4,32
10W43-HCA-4P, white, 20-25 lm, 80 mA, Vf <3.6 V, 50°		EOL	2,80	3,32
10W4DHCB-H, white, 13-15 cd, 80 mA, Vf <4.0 V, 180°		EOL	2,92	3,46
10B43-HCA-H, 470 nm, 8-10 cd, 80 mA, Vf <4.0 V, 60°		EOL	2,68	3,18
10B4DHCB-H, 470 nm, 8-10 cd, 80 mA, Vf <4.0 V, 180°		EOL	2,80	3,32
10C43-HCA-H, 505 nm, 9-12 cd, 80 mA, Vf <4.0 V, 60°		EOL	2,88	3,42
10C4DHCB-H, 505 nm, 9-11 cd, 80 mA, Vf <4.0 V, 180°		EOL	3,00	3,56
10G43-HCA-H, 525 nm, 15-18 cd, 80 mA, Vf <3.8 V, 60°		EOL	2,88	3,42
10G4DHCB-H, 525 nm, 15-18 cd, 80 mA, Vf <3.8 V, 180°		EOL	3,00	3,56
10Y43-HCA-H, 590 nm, 7-8 cd, 80 mA, Vf <2.2 V, 60°		EOL	1,48	1,76
10Y4DHCB-H, 590 nm, 8-9 cd, 80 mA, Vf <2.2 V, 180°		EOL	1,60	1,90
10R4DHCB-H, 625 nm, 7-8 cd, 80 mA, Vf <2.2 V, 180°		EOL	1,60	1,90

4-PIN / PIRANHA LED ARRAYS		Status	EUR / pc	USD / pc
	high power LED series 4 parallel chips inside, If: 80 mA, clear epoxy package base size: 7.6 x 7.6 mm²			
5W4S2HCA, white, 5-8 cd, 80 mA, Vf <4.0 V, ±90°		EOL	1,68	1,99
5B4S2HCA, 470 nm, 3-6 cd, 80 mA, Vf <4.0 V, ±90°		EOL	1,39	1,65
5G4S2HCA, 528 nm, 7-10 cd, 80 mA, Vf <4.0 V, ±90°		EOL	1,81	2,15
5Y4S2HCA, 590 nm, 3-6 cd, 80 mA, Vf <2.2 V, ±90°		EOL	0,86	1,02
5R4S2HCA, 622 nm, 3-6 cd, 80 mA, Vf <2.2 V, ±90°		EOL	0,83	0,98

35L3 HIGH POWER LED ARRAYS		Status	EUR / pc	USD / pc
	high power LED array aluminium plate package with 3x 1 mm² power chips onboard LED chips connected in parallel  Size: 35 mm diameter			
35L3-HW-60, white, 20 cd, 1050 mA, Vf <4.0 V, 60°		EOL	17,50	20,75
35L3-HU-60, 395-405 nm, 3 x 16 mW, 1050 mA, Vf <4.0 V, 60°		EOL	19,50	23,13
35L3-HB-60, 470 nm, 28 cd, 3 x 18 mW, 1050 mA, Vf <4.0 V, 60°		EOL	16,90	20,04
35L3-HC-60, 505 nm, 36 cd, 3 x 17 mW, 1050 mA, Vf <4.0 V, 60°		EOL	19,50	23,13
35L3-HG-60, 525 nm, 28 cd, 3 x 15 mW, 1050 mA, Vf <3.8 V, 60°		EOL	18,50	21,94
35L3-HY-60, 590 nm, 24 cd, 3 x 10 mW, 1050 mA, Vf <2.8 V, 60°		EOL	9,50	11,27
35L3-HR-60, 625 nm, 20 cd, 3 x 22 mW, 1050 mA, Vf <2.8 V, 60°		EOL	9,50	11,27
35L3-H850-60, 850 nm, xxx mW, 1500 mA, Vf <2.5 V, 60°		EOL	18,50	21,94
35L3-H880-60, 880 nm, 3 x 45 mW, 1500 mA, Vf <2.4 V, 60°		EOL	18,50	21,94
35L3-H940-60, 940 nm, 3 x 40 mW, 1500 mA, Vf <2.2 V, 60°		EOL	18,50	21,94

C38A8 HIGH POWER LED ARRAYS		Status	EUR / pc	USD / pc
	high power LED array aluminium plate package 8x 1 mm² power chips onboard total 8 W electrical power size: 38 mm diameter			
C38A8-HU-30, 395-405 nm, 8 x 16 mW, 4 x 350 mA, Vf 4 x typ. 7.6 V, 30°		EOL	38,00	45,07
C38A8-HB-30, 470 nm, 8 x 4.5 lm, 4 x 350 mA, Vf 4 x typ. 7.0 V, 30°		EOL	32,50	38,54
C38A8-HY-30, 590 nm, 8 x 10 lm, 4 x 350 mA, Vf 4 x typ. 4.1 V, 30°		EOL	23,00	27,28
C38A8-H850-30, 850 nm, 8 x 40 mW, 4 x 300 mA, Vf 4 x typ. 2.9 V, 30°		EOL	40,50	48,03
C38A8-H880-30, 880 nm, 8 x 40 mW, 4 x 300 mA, Vf 4 x typ. 2.8 V, 30°		EOL	40,50	48,03


L2X3 HIGH POWER LED ARRAYS		Status	EUR / pc	USD / pc
	high power LED array aluminium plate package 24x 3528 SMD LEDs onboard  size: 42.1 mm diameter			
L2X3-I3CA, 850 nm, 24 x 20 mW/sr, 130 mA, Vf 12 VDC, 120°		EOL	7,25	8,60
L2X2-I5LA, 940 nm, 24 x 20 mW/sr, 400 mA, Vf 6 VDC, 120°		EOL	6,20	7,35
L2X3-I5LA, 940 nm, 24 x 20 mW/sr, 130 mA, Vf 12 VDC, 120°		EOL	6,20	7,35

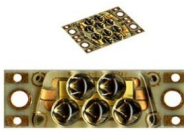
**RLT-MIL SUPER HIGH POWER LED ARRAYS**
**Status**
**EUR / pc**
**USD / pc**



high power LED array, metal PCB  
package with 12 parallel 1 mm<sup>2</sup> power  
chips, 30°.


Size: 72 x 32 mm<sup>2</sup>


RLT-MIL505-12C-30, 505 nm, 12 power chips, 12 x 18 mW, 4.2 A, 4.5V, 30°	<b>EOL</b>	80,08	94,97
RLT-MIL590-12A-30, 590 nm, 12 power chips, 12 x 10 mW, 4.2 A, 3.3V, 30°	<b>EOL</b>	50,72	60,15
RLT-MIL630-12R-30, 630 nm, 12 power chips, 12 x 24 mW, 4.2 A, 3.3V, 30°	<b>EOL</b>	50,72	60,15
RLT-MIL810-12I-30, 810 nm, 12 power chips, 12 x 150 mW, 4.2 A, 2.5V, 30°	<b>EOL</b>	91,53	108,55
RLT-MIL850-12I-30, 850 nm, 12 power chips, 12 x 160 mW, 4.2 A, 2.5V, 30°	<b>EOL</b>	91,53	108,55
RLT-MIL880-12I-30, 880 nm, 12 power chips, 12 x 120 mW, 4.2 A, 2.5V, 30°	<b>EOL</b>	91,53	108,55
RLT-MIL940-12I-30, 940 nm, 12 power chips, 12 x 120 mW, 4.2 A, 2.3V, 30°	<b>EOL</b>	91,53	108,55

RLT-xA SUPER HIGH POWER LED ARRAYS	Status	EUR / pc	USD / pc
 <p>high power LED array 3x 3 high power LED chips on aluminium plate, drive current typ. 1050 mA, electrical power typ. 10 W size: 38.3 x 39.7 mm<sup>2</sup></p>			
RLT-BA1000-02, 3x3 array, 470 nm, 100 lm, 1.05 A, 10.2 V, 60°	EOL	64,00	75,90
RLT-GA1000-02, 3x3 array, 525 nm, 140 lm, 1.05 A, 10.5 V, 60°	EOL	62,00	73,53

ELM SUPER HIGH POWER LED ARRAY	Status	EUR / pc	USD / pc
			
ELM-875-8X24-2, 870 nm, 720 mW, 500 mA, Vf 7.0 V, 25°, size 24 x 8 x 5.5 mm	EOL	72,00	85,39

ELA SUPER HIGH POWER LED ARRAY	Status	EUR / pc	USD / pc
 <p>high power LED arrays for illumination purposes</p>			
ELA-920-22X60, 920 nm, 2 x 10 emitters, 1 W, 22 x 60 mm	EOL	92,22	109,37

TO3A4 HIGH POWER LED ARRAYS	Status	EUR / pc	USD / pc
 <p>high power LED array TO-3 package with <b>4 power LED chips</b> inside, 2 x 2 matrix  diverse wavelengths available on request</p>			
TO3A4-H390-180, 382-390 nm, 200 mW, 1.4 A, Vf 4.1 V, ±90°, TO-3	EOL	63,00	74,72
TO3A4-HU-180, 395-405 nm, 65 mW, 1.4 A, Vf 4.5 V, ±90°, TO-3	EOL	23,80	28,23
TO3A4-HB-180, 470 nm, 90 mW, 1.4 A, Vf 4.4 V, ±90°, TO-3	EOL	19,40	23,01
TO3A4-HW-180, white, 70 cd, 1.4 A, Vf 4.1 V, ±90°, TO-3	EOL	21,20	25,14
TO3A4-HY-180, 590 nm, 160 mW, 1.4 A, Vf 2.6 V, ±90°, TO-3	EOL	14,40	17,08
TO3A4-HR-180, 630 nm, 110 mW, 1.4 A, Vf 2.5 V, ±90°, TO-3	EOL	14,40	17,08
TO3A4-H650-180, 650 nm, 130 mW, 1.4 A, Vf 2.5 V, ±90°, TO-3	EOL	25,40	30,12
TO3A4-H660-180, 660 nm, 260 mW, 1.2 A, Vf 1.9 V, ±90°, TO-3	EOL	25,40	30,12
TO3A4-H670-180, 670 nm, 200 mW, 1.4 A, Vf 2.5 V, ±90°, TO-3	EOL	25,40	30,12
TO3A4-H680-180, 680 nm, 260 mW, 1.2 A, Vf 1.9 V, ±90°, TO-3	EOL	25,40	30,12
TO3A4-H690-180, 690 nm, 260 mW, 1.2 A, Vf 1.9 V, ±90°, TO-3	EOL	25,40	30,12
TO3A4-H720-180, 720 nm, 260 mW, 1.2 A, Vf 1.9 V, ±90°, TO-3	EOL	25,40	30,12
TO3A4-H740-180, 740 nm, 260 mW, 1.2 A, Vf 1.9 V, ±90°, TO-3	EOL	25,40	30,12
TO3A4-H760-180, 760 nm, 260 mW, 1.2 A, Vf 1.9 V, ±90°, TO-3	EOL	25,40	30,12
TO3A4-H770-180, 770 nm, 260 mW, 1.2 A, Vf 1.9 V, ±90°, TO-3	EOL	25,40	30,12
TO3A4-H780-180, 780 nm, 270 mW, 1.4 A, Vf 2.2 V, ±90°, TO-3	EOL	25,40	30,12
TO3A4-H810-180, 810 nm, 260 mW, 1.2 A, Vf 1.9 V, ±90°, TO-3	EOL	25,40	30,12
TO3A4-H820-180, 820 nm, 260 mW, 1.2 A, Vf 1.9 V, ±90°, TO-3	EOL	25,40	30,12
TO3A4-H880-180, 880 nm, 200 mW, 1.2 A, Vf 1.9 V, ±90°, TO-3	EOL	25,40	30,12
TO3A4-H890-180, 890 nm, 200 mW, 1.4 A, Vf 1.9 V, ±90°, TO-3	EOL	25,40	30,12
TO3A4-H905-180, 905 nm, 150 mW, 1.2 A, Vf 1.7 V, ±90°, TO-3	EOL	25,40	30,12
TO3A4-H940-180, 940 nm, 150 mW, 1.2 A, Vf 1.7 V, ±90°, TO-3	EOL	25,40	30,12

IDLT WHITE POWER LED ARRAYS	Status	EUR / pc	USD / pc
 <p>industrial series high power LED array alu PCB design, diameter 55 mm  <b>brightness up to 1200 lm</b></p>			
IDLT018-CW3, white, 5000-10000 K, 220 lm, ±75°, If 320 mA, Vf 9.0-11.0 V	EOL	6,85	8,12
IDLT018-CW6, white, 5000-10000 K, 430 lm, ±75°, If 640 mA, Vf 9.0-11.0 V	EOL	10,44	12,38
IDLT018-WW3, warm white, 2700-4500 K, 200 lm, ±75°, If 320 mA, Vf 9.0-11.0 V	EOL	6,85	8,12
IDLT018-WW6, warm white, 2700-4500 K, 410 lm, ±75°, If 640 mA, Vf 9.0-11.0 V	EOL	10,44	12,38
IDLT018-WW9, warm white, 2700-4500 K, 700 lm, ±75°, If 960 mA, Vf 9.0-11.0 V	EOL	14,35	17,02



industrial series high power LED array  
alu PCB design, diameter 30 mm

brightness 115 lm

IDLT021-CW1, white, 5000-10000 K, 115 lm, ±75°, If 120 mA, Vf 11.6-13.5V	EOL	4,70	5,57
IDLT021-WW1, warm white, 2700-4500 K, 110 lm, ±75°, If 120 mA, Vf 9.0-11.0V	EOL	4,70	5,57
IDLT021-CW1HV, white, 5000-1000 K, 115 lm, ±75°, If 20 mA, Vf 70-82 V	EOL	4,70	5,57
IDLT021-WW1HV, warm white, 2700-4500 K, 110 lm, ±75°, If 20 mA, Vf 70-82 V	EOL	4,70	5,57



industrial durable high power LED array  
alu PCB design 48 x 7 x 1.7 mm

brightness 175 lm

IDLT020-WW3, warm white, 2700-4500 K, 160 lm, ±75°, If 320 mA, Vf 9.0-10.5 V	EOL	7,05	8,36
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## DRIVERS FOR LEDs



### LED TESTER

Status

EUR / pc

USD / pc



**compact handheld LED Tester**  
2, 5, 10, 20, 30, 50, 70, 150 mA selectable  
suitable for standard and piranha LEDs  
control LED  
**battery included**

LED TESTER, 2...150 mA, battery included, 75 g, 80 x 55 x 22 mm

9,90

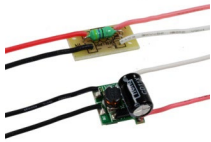
11,74

### DRIVERS FOR LEDs

Status

EUR / pc

USD / pc



#### Drivers for LEDs

- constant current logic
- easy to install
- small size

LLP20, output 20-30 mA, input 1.5 VDC, for 1-5 LEDs (Vf 3.0 V), 21x11 mm

2,48

2,94

CDDL350, output 350 mA, 12-24 V, input 7-30 VDC, 18x13 mm

3,90

4,63

CDDL700, output 700 mA, 12-24 V, input 7-30 VDC, 18x13 mm

3,90

4,63



Constant current driver for high power LEDs

- **Supply voltage 220 -240 VAC**
- DC constant current output
- Output current selectable by jumper
- Protection: thermal, overload, overvoltage, short circuit
- CE certified, complies EN 61347-2-13

MULTIPOWER15-2, 150/250/350 mA, 220-240 VAC, 15 W, 34 x 115 x 19 mm<sup>3</sup>

NEW

28,70

34,04

MULTIPOWER42, 150-900 mA, 220-240 VAC, 42 W, 110 x 30 x 21 mm<sup>3</sup>

NEW

34,40

40,80



Constant current driver for high power LEDs

- **Supply voltage 95 -240 VAC**
- DC constant current output
- Thermal overload protection
- Short circuit protection
- CE certified, complies EN 61347-2-13

PTDCC/3/350N, 350 mA, 95 - 240 VAC, 3 W, 40 x 42 x 21 mm<sup>3</sup>

15,90

18,86



Constant current driver for high power LEDs

- **Supply voltage 220 -240 VAC**
- DC constant current output
- Thermal overload protection
- Short circuit protection
- CE certified, complies EN 61347

PTDCC/15/500, 500 mA, 220-240 VAC, 17 W, 38 x 123 x 21 mm<sup>3</sup>

27,35

32,44

PTDCC/15/700, 700 mA, 220-240 VAC, 17 W, 38 x 123 x 21 mm<sup>3</sup>

28,55

33,86



Constant current driver for high power LED

- **Supply voltage 95 -240 VAC**
- DC constant current output
- Thermal overload and short circuit protection
- Built-in type
- CE certified, complies EN 61347


PTDCCL/10/350, 350 mA, 95-240 VAC, 10 W, 22 x 145 x 22 mm<sup>3</sup>

19,80

23,48

# MID-IR LEDs



MID-IR LEDs   single chip   1.05 - 4.80 μm	Status	EUR / pc	USD / pc
 <p><b>Standard Mid-IR LEDs</b>                      - wavelength: 1 - 5 μm                      - QCW and pulse mode operation                      options: parabolic reflector (R), window (W),                      thermoelectric cooler and thermoresistor (T),                      glass cover (L), narrow spectrum (NS)                      package: SMD, TO-18, TO-5</p>			
<b>1.05 μm</b>			
LED10-SMD3020, 1.03-1.07 μm, FWHM 70-100 nm, QCW 12-20 mW, SMD 3x2 mm		68,45	81,18
LED10, 1.03-1.07 μm, FWHM 70-100 nm, QCW 12-20 mW, TO-18, cap, window		85,10	100,93
LED10-R, 1.03-1.07 μm, FWHM 70-100 nm, QCW 12-20 mW, TO-18, reflector, no window		96,20	114,09
LED10-RW, 1.03-1.07 μm, FWHM 70-100 nm, QCW 12-20 mW, TO-18, reflector, window		118,40	140,42
LED10-TW, 1.03-1.07 μm, FWHM 70-100 nm, QCW 12-20 mW, TO-5, cap, window, TEC		252,00	298,86
LED10-TRW, 1.03-1.07 μm, FWHM 70-100 nm, QCW 12-20 mW, TO-5, reflector, window, TEC		271,25	321,69
<b>1.32 μm</b>			
LED13-SMD3020, 1.25-1.33 μm, FWHM 70-100 nm, QCW 10-18 mW, SMD 3x2 mm		68,45	81,18
LED13, 1.25-1.33 μm, FWHM 70-100 nm, QCW 10-18 mW, TO-18, cap, window		85,10	100,93
LED13-R, 1.25-1.33 μm, FWHM 70-100 nm, QCW 10-18 mW, TO-18, reflector, no window		96,20	114,09
LED13-RW, 1.25-1.33 μm, FWHM 70-100 nm, QCW 10-18 mW, TO-18, reflector, window		118,40	140,42
LED13-TW, 1.25-1.33 μm, FWHM 70-100 nm, QCW 10-18 mW, TO-5, cap, window, TEC		252,00	298,86
LED13-TRW, 1.25-1.33 μm, FWHM 70-100 nm, QCW 10-18 mW, TO-5, reflector, window, TEC		271,25	321,69
<b>1.45 μm</b>			
LED14-SMD3020, 1.40-1.49 μm, FWHM 90-120 nm, QCW 7-15 mW, SMD 3x2 mm		68,45	81,18
LED14, 1.40-1.49 μm, FWHM 90-120 nm, QCW 7-15 mW, TO-18, cap, window		85,10	100,93
LED14-R, 1.40-1.49 μm, FWHM 90-120 nm, QCW 7-15 mW, TO-18, reflector, no window		96,20	114,09
LED14-RW, 1.40-1.49 μm, FWHM 90-120 nm, QCW 7-15 mW, TO-18, reflector, window		118,40	140,42
LED14-TW, 1.40-1.49 μm, FWHM 90-120 nm, QCW 7-15 mW, TO-5, cap, window, TEC		252,00	298,86
LED14-TRW, 1.40-1.49 μm, FWHM 90-120 nm, QCW 7-15 mW, TO-5, reflector, window, TEC		271,25	321,69
<b>1.53 μm</b>			
LED15-SMD3020, 1.50-1.59 μm, FWHM 110-140 nm, QCW 7-15 mW, SMD 3x2 mm		68,45	81,18
LED15, 1.50-1.59 μm, FWHM 110-140 nm, QCW 7-15 mW, TO-18, cap, window		85,10	100,93
LED15-R, 1.50-1.59 μm, FWHM 110-140 nm, QCW 7-15 mW, TO-18, reflector, no window		96,20	114,09
LED15-RW, 1.50-1.59 μm, FWHM 110-140 nm, QCW 7-15 mW, TO-18, reflector, window		118,40	140,42
LED15-TW, 1.50-1.59 μm, FWHM 110-140 nm, QCW 7-15 mW, TO-5, cap, window, TEC		252,00	298,86
LED15-TRW, 1.50-1.59 μm, FWHM 110-140 nm, QCW 7-15 mW, TO-5, reflector, window, TEC		271,25	321,69
<b>1.65 μm</b>			
LED16-SMD3020, 1.60-1.69 μm, FWHM 120-150 nm, QCW 7-15 mW, SMD 3x2 mm		68,45	81,18
LED16, 1.60-1.69 μm, FWHM 120-150 nm, QCW 7-15 mW, TO-18, cap, window		85,10	100,93
LED16-R, 1.60-1.69 μm, FWHM 120-150 nm, QCW 7-15 mW, TO-18, reflector, no window		96,20	114,09
LED16-RW, 1.60-1.69 μm, FWHM 120-150 nm, QCW 7-15 mW, TO-18, reflector, window		118,40	140,42
LED16-TW, 1.60-1.69 μm, FWHM 120-150 nm, QCW 7-15 mW, TO-5, cap, window, TEC		252,00	298,86
LED16-TRW, 1.60-1.69 μm, FWHM 120-150 nm, QCW 7-15 mW, TO-5, reflector, window, TEC		271,25	321,69
<b>1.73 μm</b>			
LED17-SMD3020, 1.70-1.76 μm, FWHM 160-220 nm, QCW 5-10 mW, SMD 3x2 mm		68,45	81,18
LED17, 1.70-1.76 μm, FWHM 160-220 nm, QCW 5-10 mW, TO-18, cap, window		85,10	100,93
LED17-R, 1.70-1.76 μm, FWHM 160-220 nm, QCW 5-10 mW, TO-18, reflector, no window		96,20	114,09
LED17-RW, 1.70-1.76 μm, FWHM 160-220 nm, QCW 5-10 mW, TO-18, reflector, window		118,40	140,42
LED17-TW, 1.70-1.76 μm, FWHM 160-220 nm, QCW 5-10 mW, TO-5, cap, window, TEC		252,00	298,86
LED17-TRW, 1.70-1.76 μm, FWHM 160-220 nm, QCW 5-10 mW, TO-5, reflector, window, TEC		271,25	321,69
<b>1.85 μm</b>			
LED18-SMD3020, 1.80-1.89 μm, FWHM 100-200 nm, QCW 0.7-1.1 mW, SMD 3x2 mm		83,25	98,73
LED18, 1.80-1.89 μm, FWHM 100-200 nm, QCW 0.7-1.1 mW, TO-18, cap, window		92,50	109,70
LED18-R, 1.80-1.89 μm, FWHM 100-200 nm, QCW 0.7-1.1 mW, TO-18, reflector, no window		103,60	122,87
LED18-RW, 1.80-1.89 μm, FWHM 100-200 nm, QCW 0.7-1.1 mW, TO-18, reflector, window		125,80	149,19
LED18-TW, 1.80-1.89 μm, FWHM 100-200 nm, QCW 0.7-1.1 mW, TO-5, cap, window, TEC		259,00	307,16
LED18-TRW, 1.80-1.89 μm, FWHM 100-200 nm, QCW 0.7-1.1 mW, TO-5, reflector, window, TEC		278,25	329,99
<b>1.95 μm</b>			
LED19-SMD3020, 1.90-1.99 μm, FWHM 100-200 nm, QCW 0.8-1.2 mW, SMD 3x2 mm		83,25	98,73
LED19, 1.90-1.99 μm, FWHM 100-200 nm, QCW 0.8-1.2 mW, TO-18, cap, window		92,50	109,70
LED19-R, 1.90-1.99 μm, FWHM 100-200 nm, QCW 0.8-1.2 mW, TO-18, reflector, no window		103,60	122,87
LED19-RW, 1.90-1.99 μm, FWHM 100-200 nm, QCW 0.8-1.2 mW, TO-18, reflector, window		125,80	149,19
LED19-TW, 1.90-1.99 μm, FWHM 100-200 nm, QCW 0.8-1.2 mW, TO-5, cap, window, TEC		259,00	307,16
LED19-TRW, 1.90-1.99 μm, FWHM 100-200 nm, QCW 0.8-1.2 mW, TO-5, reflector, window, TEC		278,25	329,99
<b>2.05 μm</b>			
LED20-SMD3020, 2.00-2.09 μm, FWHM 150-250 nm, QCW 0.8-1.2 mW, SMD 3x2 mm		83,25	98,73
LED20, 2.00-2.09 μm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-18, cap, window		92,50	109,70
LED20-R, 2.00-2.09 μm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-18, reflector, no window		103,60	122,87
LED20-RW, 2.00-2.09 μm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-18, reflector, window		125,80	149,19
LED20-TW, 2.00-2.09 μm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-5, cap, window, TEC		259,00	307,16
LED20-TRW, 2.00-2.09 μm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-5, reflector, window, TEC		278,25	329,99
<b>2.15 μm</b>			
LED21-SMD3020, 2.10-2.19 μm, FWHM 150-250 nm, QCW 0.8-1.2 mW, SMD 3x2 mm		83,25	98,73
LED21, 2.10-2.19 μm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-18, cap, window		92,50	109,70
LED21-R, 2.10-2.19 μm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-18, reflector, no window		103,60	122,87
LED21-RW, 2.10-2.19 μm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-18, reflector, window		125,80	149,19
LED21-TW, 2.10-2.19 μm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-5, cap, window, TEC		259,00	307,16
LED21-TRW, 2.10-2.19 μm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-5, reflector, window, TEC		278,25	329,99
<b>2.22 μm</b>			



LED22, 2.20-2.29 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-18, cap, no window	92,50	109,70
LED22-R, 2.20-2.29 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-18, reflector, no window	103,60	122,87
LED22-RW, 2.20-2.29 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-18, reflector, window	125,80	149,19
LED22-TW, 2.20-2.29 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-5, cap, window, TEC	259,00	307,16
LED22-TRW, 2.20-2.29 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-5, reflector, window, TEC	278,25	329,99
<b>2.35 µm</b>		
LED23-SMD3020, 2.30-2.39 µm, FWHM 170-270 nm, QCW 0.6-1.0 mW, SMD 3x2 mm	83,25	98,73
LED23, 2.30-2.39 µm, FWHM 170-270 nm, QCW 0.6-1.0 mW, TO-18, cap, no window	92,50	109,70
LED23-R, 2.30-2.39 µm, FWHM 170-270 nm, QCW 0.6-1.0 mW, TO-18, reflector, no window	103,60	122,87
LED23-RW, 2.30-2.39 µm, FWHM 170-270 nm, QCW 0.6-1.0 mW, TO-18, reflector, window	125,80	149,19
LED23-TW, 2.30-2.39 µm, FWHM 170-270 nm, QCW 0.6-1.0 mW, TO-5, cap, window, TEC	259,00	307,16
LED23-TRW, 2.30-2.39 µm, FWHM 170-270 nm, QCW 0.6-1.0 mW, TO-5, reflector, window, TEC	278,25	329,99
<b>2.75 µm</b>		
LED27-SMD3020, 2.70-2.79 µm, FWHM 300-500 nm, QCW 12-25 µW, SMD 3x2 mm	83,25	98,73
LED27, 2.70-2.79 µm, FWHM 300-500 nm, QCW 12-25 µW, TO-18, cap, no window	92,50	109,70
LED27-R, 2.70-2.79 µm, FWHM 300-500 nm, QCW 12-25 µW, TO-18, reflector, no window	103,60	122,87
LED27-RW, 2.70-2.79 µm, FWHM 300-500 nm, QCW 12-25 µW, TO-18, reflector, window	125,80	149,19
LED27-CH, 2.70-2.79 µm, FWHM 300-500 nm, QCW 50-150 µW, TO-18, chalcogenide glass	103,60	122,87
LED27-TW, 2.70-2.79 µm, FWHM 300-500 nm, QCW 12-25 µW, TO-5, cap, window, TEC	259,00	307,16
LED27-TRW, 2.70-2.79 µm, FWHM 300-500 nm, QCW 12-25 µW, TO-5, reflector, window, TEC	278,25	329,99
<b>2.84 µm</b>		
LED28-SMD3020, 2.83-2.90 µm, FWHM 300-500 nm, QCW 20-40 µW, SMD 3x2 mm	83,25	98,73
LED28, 2.83-2.90 µm, FWHM 300-500 nm, QCW 20-40 µW, TO-18, cap, no window	92,50	109,70
LED28-R, 2.83-2.90 µm, FWHM 300-500 nm, QCW 20-40 µW, TO-18, reflector, no window	103,60	122,87
LED28-RW, 2.83-2.90 µm, FWHM 300-500 nm, QCW 20-40 µW, TO-18, reflector, window	125,80	149,19
LED28-CH, 2.83-2.90 µm, FWHM 300-500 nm, QCW 100-300 µW, TO-18, chalcogenide glass	103,60	122,87
LED28-TW, 2.83-2.90 µm, FWHM 300-500 nm, QCW 20-40 µW, TO-5, cap, window, TEC	259,00	307,16
LED28-TRW, 2.83-2.90 µm, FWHM 300-500 nm, QCW 20-40 µW, TO-5, reflector, window, TEC	278,25	329,99
<b>3.40 µm</b>		
LED34-SMD3020, 3.30-3.44 µm, FWHM 250-600 nm, QCW 20-45 µW, SMD 3x2 mm	38,85	46,07
LED34, 3.30-3.44 µm, FWHM 250-600 nm, QCW 20-45 µW, TO-18, cap, no window	49,95	59,24
LED34-R, 3.30-3.44 µm, FWHM 250-600 nm, QCW 20-45 µW, TO-18, reflector, no window	61,05	72,40
LED34-RW, 3.30-3.44 µm, FWHM 250-600 nm, QCW 20-45 µW, TO-18, reflector, window	83,25	98,73
LED34-CH, 3.30-3.44 µm, FWHM 250-600 nm, QCW 100-300 µW, TO-18, chalcogenide glass	61,05	72,40
LED34-TW, 3.30-3.44 µm, FWHM 250-600 nm, QCW 20-45 µW, TO-5, cap, window, TEC	218,75	259,43
LED34-TRW, 3.30-3.44 µm, FWHM 250-600 nm, QCW 20-45 µW, TO-5, reflector, window, TEC	238,00	282,26
<b>3.45 µm</b>		
LED35-SMD3020, 3.45-3.52 µm, FWHM 300-600 nm, QCW 20-40 µW, SMD 3x2 mm	83,25	98,73
LED35, 3.45-3.52 µm, FWHM 300-600 nm, QCW 20-40 µW, TO-18, cap, no window	92,50	109,70
LED35-R, 3.45-3.52 µm, FWHM 300-600 nm, QCW 20-40 µW, TO-18, reflector, no window	103,60	122,87
LED35-RW, 3.45-3.52 µm, FWHM 300-600 nm, QCW 20-40 µW, TO-18, reflector, window	125,80	149,19
LED35-TW, 3.45-3.52 µm, FWHM 300-600 nm, QCW 20-40 µW, TO-5, cap, window, TEC	259,00	307,16
LED35-TRW, 3.45-3.52 µm, FWHM 300-600 nm, QCW 20-40 µW, TO-5, reflector, window, TEC	278,25	329,99
<b>3.56 µm</b>		
LED36-SMD3020, 3.53-3.69 µm, FWHM 300-600 nm, QCW 15-40 µW, SMD 3x2 mm	83,25	98,73
LED36, 3.53-3.69 µm, FWHM 300-600 nm, QCW 15-40 µW, TO-18, cap, no window	92,50	109,70
LED36-R, 3.53-3.69 µm, FWHM 300-600 nm, QCW 15-40 µW, TO-18, reflector, no window	103,60	122,87
LED36-RW, 3.53-3.69 µm, FWHM 300-600 nm, QCW 15-40 µW, TO-18, reflector, window	125,80	149,19
LED36-TW, 3.53-3.69 µm, FWHM 300-600 nm, QCW 15-40 µW, TO-5, cap, window, TEC	259,00	307,16
LED36-TRW, 3.53-3.69 µm, FWHM 300-600 nm, QCW 15-40 µW, TO-5, reflector, window, TEC	278,25	329,99
<b>3.85 µm</b>		
LED38-SMD3020, 3.76-3.94 µm, FWHM 400-700 nm, QCW 12-30 µW, SMD 3x2 mm	38,85	46,07
LED38, 3.76-3.94 µm, FWHM 400-700 nm, QCW 12-30 µW, TO-18, cap, no window	49,95	59,24
LED38-R, 3.76-3.94 µm, FWHM 400-700 nm, QCW 12-30 µW, TO-18, reflector, no window	61,05	72,40
LED38-RW, 3.76-3.94 µm, FWHM 400-700 nm, QCW 12-30 µW, TO-18, reflector, window	83,25	98,73
LED38-CH, 3.70-3.94 µm, FWHM 400-700 nm, QCW 80-180 µW, TO-18, chalcogenide glass	61,05	72,40
LED38-TW, 3.76-3.94 µm, FWHM 400-700 nm, QCW 12-30 µW, TO-5, cap, window, TEC	218,75	259,43
LED38-TRW, 3.76-3.94 µm, FWHM 400-700 nm, QCW 12-30 µW, TO-5, reflector, window, TEC	238,00	282,26
<b>4.05 µm</b>		
LED41-SMD3020, 3.95-4.09 µm, FWHM 400-1200 nm, QCW 12-30 µW, SMD 3x2 mm	70,30	83,37
LED41, 3.95-4.09 µm, FWHM 400-1200 nm, QCW 12-30 µW, TO-18, cap, no window	92,50	109,70
LED41-R, 3.95-4.09 µm, FWHM 400-1200 nm, QCW 12-30 µW, TO-18, reflector, no window	103,60	122,87
LED41-RW, 3.95-4.09 µm, FWHM 400-1200 nm, QCW 12-30 µW, TO-18, reflector, window	125,80	149,19
LED41-TW, 3.95-4.09 µm, FWHM 400-1200 nm, QCW 12-30 µW, TO-5, cap, window, TEC	259,00	307,16
LED41-TRW, 3.95-4.09 µm, FWHM 400-1200 nm, QCW 12-30 µW, TO-5, reflector, window, TEC	278,25	329,99
<b>4.15 µm</b>		
LED43-SMD3020, 4.10-4.30 µm, FWHM 400-1200 nm, QCW 15-50 µW, SMD 3x2 mm	38,85	46,07
LED43, 4.10-4.30 µm, FWHM 400-1200 nm, QCW 15-50 µW, TO-18, cap, no window	49,95	59,24
LED43-R, 4.10-4.30 µm, FWHM 400-1200 nm, QCW 15-50 µW, TO-18, reflector, no window	61,05	72,40
LED43-RW, 4.10-4.30 µm, FWHM 400-1200 nm, QCW 15-50 µW, TO-18, reflector, window	83,25	98,73
LED43-CH, 4.10-4.30 µm, FWHM 400-1200 nm, QCW 80-180 µW, TO-18, chalcogenide glass	58,80	69,73
LED43-TW, 4.10-4.30 µm, FWHM 400-1200 nm, QCW 15-50 µW, TO-5, cap, window, TEC	218,75	259,43
LED43-TRW, 4.10-4.30 µm, FWHM 400-1200 nm, QCW 15-50 µW, TO-5, reflector, window, TEC	238,00	282,26
LED43-CHTRW, 4.10-4.30 µm, FWHM 400-1200 nm, QCW >50 µW, TO-5, chalcogenide glass, reflector, window, TEC	307,00	364,09

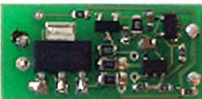
4.35 µm		
LED44-R, 4.15-4.40 µm, FWHM 800-1200 nm, QCW >12 µW, TO-18, reflector, no window	103,60	122,87
LED44-RW, 4.15-4.40 µm, FWHM 800-1200 nm, QCW >12 µW, TO-18, reflector, window	125,80	149,19
LED44-CH, 4.15-4.40 µm, FWHM 800-1200 nm, QCW >75 µW, TO-18, chalcogenide glass	103,60	122,87
LED44-TRW, 4.15-4.40 µm, FWHM 800-1200 nm, QCW >10 µW, TO-5, reflector, window, TEC	278,25	329,99
LED44-CHTRW, 4.15-4.40 µm, FWHM 800-1200 nm, QCW >45 µW, TO-5, chalcogenide glass, reflector, window, TEC	348,00	412,71
4.70 µm		
IR S-LED 4.70, peak 4.7 µm, 5µW@200mA CW, 25µW@1A pulsed, ±15°, TO-39	172,92	205,08
4.80 µm		
IR S-LED 4.80, peak 4.8 µm, 5µW@200mA CW, 25µW@1A pulsed, ±15°, TO-39	210,42	249,55


MID-IR LEDs   multi chip   1.05 - 4.60 µm	Status	EUR / pc	USD / pc
<b>3.40 µm, 4 chips, single wavelength</b>			
LED34M4, 3.30-3.49 µm, FWHM 400-600 nm, 90-160 µW QCW, TO-18, cap, window		246,40	292,22
LED34M4-R, 3.30-3.49 µm, FWHM 400-600 nm, 90-160 µW QCW, TO-18, reflector,		257,60	305,50
LED34M4-RW, 3.30-3.49 µm, FWHM 400-600 nm, 90-160 µW QCW, TO-18, reflector, window		280,00	332,07
LED34M4-TW, 3.30-3.49 µm, FWHM 400-600 nm, 90-160 µW QCW, TO-5, cap, window, TEC		420,00	498,10
LED34M4-TRW, 3.30-3.49 µm, FWHM 400-600 nm, 90-160 µW QCW, TO-5, reflector, win., TEC		440,00	521,82
<b>4.30 µm, 4 chips, single wavelength</b>			
LED43M4, 4.10-4.30 µm, FWHM 700-1000 nm, 25-45 µW QCW, TO-18, cap, window		246,40	292,22
LED43M4-R, 4.10-4.30 µm, FWHM 700-1000 nm, 25-45 µW QCW, TO-18, reflector,		257,60	305,50
LED43M4-RW, 4.10-4.30 µm, FWHM 700-1000 nm, 25-45 µW QCW, TO-18, reflector, window		299,60	355,31
LED43M4-TW, 4.10-4.30 µm, FWHM 700-1000 nm, 25-45 µW QCW, TO-5, cap, window, TEC		420,00	498,10
LED43M4-TRW, 4.10-4.30 µm, FWHM 700-1000 nm, 25-45 µW QCW, TO-5, reflector, win., TEC		420,00	498,10
<b>2 chips, multi-wavelength, independent operation</b>			
LED1915M2, 1.94 and 1.55 µm, peak, 2 chips, independent, TO-18		221,20	262,33
LED2015M2, 2.06 and 1.55 µm, peak, 2 chips, independent, TO-18		221,20	262,33
LED2315M2, 2.34 and 1.55 µm, peak, 2 chips, independent, TO-18		226,80	268,98
LED3429M2, 3.34 and 2.9 µm, peak, 2 chips, independent, TO-18		221,20	262,33
LED3629M2, 3.6 and 2.9 µm, peak, 2 chips, independent, TO-18		221,20	262,33
LED3829M2, 3.8 and 2.9 µm, peak, 2 chips, independent, TO-18		221,20	262,33
LED4337M2, 4.27 and 3.7 µm, peak, 2 chips, independent, TO-18		226,80	268,98
LED4637M2, 4.67 and 3.7 µm, peak, 2 chips, independent, TO-18		226,80	268,98
<b>1.3 - 2.1 µm, 6 chips, multi-wavelength, independent operation</b>			
LED13-21M6, 1.3-2.1 µm, 6 independent chips, pulse mode, TO-5, cap, window		220,00	260,91
LED13-21M6-TW, 1.3-2.1 µm, 6 independent chips, pulse mode, TO-5, cap, window, TEC		220,00	260,91
further wavelengths on request			


## ACCESSORIES FOR MID-IR LEDs




PARABOLIC REFLECTOR	Status	EUR / pc	USD / pc
PARABOLIC REFLECTOR, aluminium reflector for TO-18 package		16,00	18,98


MINI DRIVER BOARDS FOR MID-IR LEDs   QCW and PULSED MODE	Status	EUR / pc	USD / pc
 <p><b>Current pulse drivers for LEDs and Mid-IR LEDs</b></p> <ul style="list-style-type: none"> <li>- open pcb type</li> <li>- fixed parameters</li> <li>- synchronization output</li> </ul> <p>operating voltage: 5 VDC size: 12 x 24 mm</p>			
PCB-MDRIVER-QCW, QCW mode, 50%, duty cycle, 500 µs on/off, f 1kHz, current 150 mA		103,60	122,87
PCB-MDRIVER-P, PULSED mode, 20 µs, 1 kHz, 1 A		103,60	122,87

MULTI-CHANNEL DRIVER BOARD FOR MID-IR LEDs   PULSED MODE		Status	EUR / pc	USD / pc
 <p><b>Multi-Channel pulse driver for LEDs and Mid-IR LEDs</b>  - open pcb type  - fixed pulsed mode (set to your needs)  - each channel 0.4 A and 0.5 kHz  operating voltage: 12 VDC  size: 105 x 70 x 15 mm</p>	PCB-DRIVER-MC, multi-channel, up to 8 channels, PD input, synch. detector		808,50	958,85
	PCB-DRIVER-MCA, multi-channel, up to 8 channels, PD input & preamplifier, synch. detector		808,50	958,85

CURRENT CONTROLLERS FOR MID-IR LEDs   QCW and PULSED MODE		Status	EUR / pc	USD / pc
 <p><b>Drivers for LEDs and Laser Diodes</b>  - qcw mode  for max. average optical power  - pulsed mode  for max. peak optical power  - available with integrated thermocooler</p>	D-11, qcw & pulsed driver for LEDs and LDs, adjustable operation mode		148,00	175,52
	D-31M, qcw & pulsed driver for LEDs, adjustable current/pulse/rep. rate		216,30	256,52
	DLT-27, qcw & pulsed mode driver for LEDs and LDs with TEC		413,70	490,63
	DLT-37, qcw & pulsed mode driver for LEDs with TEC, adj.current/pulse/rep. rate		426,30	505,57


## FIBER-COUPLED LEDs ↑

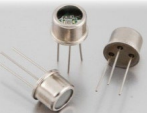
FIBER-COUPLED LEDs   single wavelength		Status	EUR / pc	USD / pc
 <p><b>Fiber-Coupled LED, Single Wavelength</b>  available in the wavelength range from 375 to 1550 nm  - compact size (head 64 x 46.5 x 30 mm)  - adjustable output power  - standard fiber: 600 µm, 0.22 NA  - driver unit and power supply included  optional available: analog or TTL modulation</p>	LED375-10F0, 375 nm, 10 mW, fiber core 600 µm, SMA connector		645,50	765,54
	LED405-8F0, 405 nm, 8 mW, fiber core 600 µm, SMA connector		645,50	765,54
	LED430-1F5, 405 nm, 1.5 mW, fiber core 600 µm, SMA connector		918,30	1.089,07
	LED460-8F0, 460 nm, 8 mW, fiber core 600 µm, SMA connector		764,80	907,02
	LED470-5F0, 470 nm, 5 mW, fiber core 600 µm, SMA connector		816,00	967,74
	LED500-3F0, 500 nm, 3 mW, fiber core 600 µm, SMA connector		867,10	1.028,34
	LED530-5F0, 530 nm, 5 mW, fiber core 600 µm, SMA connector		867,10	1.028,34
	LED565-3F0, 565 nm, 3 mW, fiber core 600 µm, SMA connector		816,00	967,74
	LED600-3F0, 600 nm, 3 mW, fiber core 600 µm, SMA connector		867,10	1.028,34
	LED620-6F0, 620 nm, 6 mW, fiber core 600 µm, SMA connector		867,10	1.028,34
	LED625-5F0, 620 nm, 5 mW, fiber core 600 µm, SMA connector		867,10	1.028,34
	LED660-5F0, 660 nm, 5 mW, fiber core 600 µm, SMA connector		867,10	1.028,34
	LED730-5F0, 730 nm, 5 mW, fiber core 600 µm, SMA connector		884,20	1.048,62
	LED808-5F0, 808 nm, 5 mW, fiber core 600 µm, SMA connector		918,30	1.089,07
	LED850-8F0, 850 nm, 8 mW, fiber core 600 µm, SMA connector		969,40	1.149,67
	LED880-1F0, 880 nm, 1 mW, fiber core 600 µm, SMA connector		816,00	967,74
	LED940-4F0, 940 nm, 4 mW, fiber core 600 µm, SMA connector		816,00	967,74
	LED1050-4F0, 1050 nm, 4 mW, fiber core 600 µm, SMA connector		1.293,30	1.533,80


FIBER-COUPLED LEDs   multi wavelength		Status	EUR / pc	USD / pc
 <p><b>Fiber-Coupled LED, Multi-Wavelength</b>  contains multiple wavelengths, as required, in the range from 375 to 1550 nm.  - up to 12 different wavelengths  - independent and adjustable output power  - fiber core size: 400, 600, 800 or 1000 µm  - one-box-solution, power supply included  optional available: analog or TTL modulation</p>	LED-MULTI-F-4, multi-wavelength, 4 wavelengths, adjustable output, fiber-coupled, one-box		3.579,90	4.245,61
	LED-MULTI-F-12, multi-wavelength LED engine, light guide 1m, core 600µm, 12 wavelengths, adjustable output			o.r.

# PHOTODIODES - UV




UV PHOTODIODES   GaN	Status	EUR / pc	USD / pc
 <p>UV-photodiodes based on GaN, AlGaIn and InGaIn are intrinsic visible blind due to high bandgap material, extreme irradiation hardness</p>			
<b>UVC   &lt; 245 nm</b>			
GFUV-T10GD-L, far UVC, <245 nm, AlGaIn, 1.536 mm <sup>2</sup> , TO-46, quartz glass		28,13	33,36
<b>UVC   220 - 280 nm</b>			
GUVV-S10SD, 220-280 nm, AlGaIn, 0.076 mm <sup>2</sup> , SMD 3535, metal, silicone resin, quartz glass		6,75	8,01
GUVV-T10GD, 220-280 nm, AlGaIn, 0.076 mm <sup>2</sup> , TO-46, quartz glass, cathode case		18,45	21,88
GUVV-T11GD, 220-280 nm, AlGaIn, 0.076 mm <sup>2</sup> , TO-46, quartz glass, anode case		15,30	18,15
GUVV-T10GD-L, 220-280 nm, AlGaIn, 1.536 mm <sup>2</sup> , TO-46, quartz glass		26,33	31,23
GUVV-T20GD-U, 220-280 nm, AlGaIn, 6.894 mm <sup>2</sup> , TO-39, quartz glass		81,90	97,13
<b>UVC   220 - 280 nm   LED Monitoring</b>			
GUVCL-S10GD, 230-320 nm, AlGaIn, 0.076 mm <sup>2</sup> , SMD 3535, metal, silicone resin, quartz glass		7,88	9,35
GUVCL-T10GD, 230-320 nm, AlGaIn, 0.076 mm <sup>2</sup> , TO-46, quartz glass		20,25	24,02
<b>UVB   220 - 320 nm</b>			
GUVB-C21SD, 260-320 nm, AlGaIn, 0.076 mm <sup>2</sup> , COB 2.4x1.8x1.0 mm		3,60	4,27
GUVB-S11SD, 240-320 nm, AlGaIn, 0.4 mm, SMD 3528, ceramic, silicone resin		5,25	6,23
GUVB-S31GD, 220-320 nm, AlGaIn, 0.076 mm <sup>2</sup> , SMD 3535, metal, silicone resin, quartz glass		6,75	8,01
GUVB-C31SM, digital sensor, AlGaIn, 0.0162 mm <sup>2</sup> , I2C, 2.6-3.6 V, silicone, COB 2.0x2.3x1.4 mm	EOL	5,40	6,40
GUVB-T11GD, 220-320 nm, AlGaIn, 0.076 mm <sup>2</sup> , TO-46, quartz glass		16,20	19,21
GUVB-T11GD-L, 220-320 nm, AlGaIn, 1.536 mm <sup>2</sup> , TO-46, quartz glass		25,43	30,16
GUVB-T21GD-U, 220-320 nm, AlGaIn, 6.894 mm <sup>2</sup> , TO-39, quartz glass		66,90	79,34
<b>UVA   220 - 370 nm</b>			
GUVA-S12SD, 240-370 nm, GaN, 0.076 mm <sup>2</sup> , SMD 3528, ceramic, silicone resin		3,79	4,49
GUVA-S12GDC, 200-370 nm, GaN, 0.076 mm <sup>2</sup> , SMD 3535, ceramic package, quartz glass		7,65	9,07
GUVA-C22SD, 240-370 nm, GaN, 0.076 mm <sup>2</sup> , COB 2418, Si encapsulant		2,45	2,91
GUVA-C32SM, digital sensor, GaN, 0.0162 mm <sup>2</sup> , I2C, 2.6-3.6 V, silicone, COB 2.0x2.3x1.4 mm	EOL	4,95	5,87
GUVA-T11GD, 220-370 nm, GaN, 0.076 mm <sup>2</sup> , TO-46, quartz glass, cathode case		11,48	13,61
GUVA-T13GD, 220-370 nm, GaN, 0.076 mm <sup>2</sup> , TO-46, quartz glass, anode case		11,47	13,60
GUVA-T31GD, 220-370 nm, GaN, 0.076 mm <sup>2</sup> , TO-46, quartz glass, 3-Pin		11,48	13,61
GUVA-T11GD-L, 220-370 nm, GaN, 1.536 mm <sup>2</sup> , TO-46, quartz glass		18,00	21,35
GUVA-T31GD-L, 220-370 nm, GaN, 1.536 mm <sup>2</sup> , TO-46, quartz glass, 3-Pin, anode & cathode insulated		18,68	22,15
GUVA-T21GD-U, 220-370 nm, GaN, 6.894 mm <sup>2</sup> , TO-39, quartz glass		43,70	51,83
<b>UV Broadband   230 - 395 nm</b>			
GUVV-C20SD, 240-395 nm, InGaIn, 0.076 mm <sup>2</sup> , COB 2.4x1.8x1.0 mm		2,70	3,20
GUVV-S10SD, 240-395 nm, InGaIn, 0.076 mm <sup>2</sup> , SMD 3528, ceramic, silicone resin		3,90	4,63
GUVV-T10GD, 230-395 nm, InGaIn, 0.076 mm <sup>2</sup> , TO-46, quartz glass		15,30	18,15
GUVV-T13GD-L, 295-395 nm, InGaIn, 1.024 mm <sup>2</sup> , TO-46, quartz glass		24,30	28,82
<b>UVB - VIS   295 - 510 nm</b>			
GVBL-S12SD, 345-450 nm, InGaIn, chip size 0.06 mm <sup>2</sup> , SMD 3528, ceramic, silicone resin		2,45	2,91
GVBL-T14GD, 345-445 nm, InGaIn, chip size 0.065 mm <sup>2</sup> , TO-46, quartz glass		13,40	15,89
GVGR-S11SD, 295-490 nm, InGaIn, chip size 0.0484 mm <sup>2</sup> , SMD 3528, ceramic, silicone resin		2,45	2,91
GVGR-T10GD, 300-510 nm, InGaIn, 0.051 mm <sup>2</sup> , TO-46, quartz glass	EOL	11,48	13,61
GVGR-T11GD, 295-505 nm, InGaIn, 0.0484 mm <sup>2</sup> , TO-46, quartz glass		11,48	13,61

UV PHOTODIODES   GaN   integrated TIA	Status	EUR / pc	USD / pc
 <p>UV-photodiode based on GaN, AlGaIn and InGaIn with integrated transimpedance amplifier for ultra low level UV radiation detection peak response: 280 nm, 320 nm, 370 nm, 395 nm</p>			
GUVCL-T21GH, 230-320 nm, AlGaIn, 0.076 mm <sup>2</sup> , integrated TI ampl., TO-5, quartz glass		31,50	37,36
GUVV-T21GH, 220-280 nm, AlGaIn, 0.076 mm <sup>2</sup> , integrated TI ampl., TO-5, quartz glass		28,20	33,44
GUVB-T21GH, 220-320 nm, AlGaIn, 0.076 mm <sup>2</sup> , integrated TI ampl., TO-5, quartz glass		28,20	33,44
GUVA-T21GH, 220-370 nm, GaN, 0.076 mm <sup>2</sup> , integrated TI ampl., TO-5, quartz glass		28,90	34,27
GUVV-T21GH, 230-395 nm, InGaIn, 0.076 mm <sup>2</sup> , integrated TI ampl., TO-5, quartz glass		47,70	56,57


UV SENSOR MODULES   GaN	Status	EUR / pc	USD / pc
 <p>UV Sensor Modules based on GaN Single supply voltage 0-5VDC output voltage</p> <p>GUVV, GUVB series: AlGaIn based GUVA series: GaN based GUVV, GVBL, GVGR series: InGaIn based</p>			
<b>Analog Output</b>			
GUVV-S10SM-LA, sensor module, 240-395 nm, 0.076 mm <sup>2</sup> , 0-5V output, silicone, SMD, 28x17x9 mm <sup>3</sup>		56,07	66,50
GUVA-T11GM-LA, sensor module, 220-370 nm, 0.076 mm <sup>2</sup> , 0-5V output, TO-can, 28x17x9 mm <sup>3</sup>		59,43	70,48
GUVA-S12SM-LA, sensor module, 240-370 nm, 0.076 mm <sup>2</sup> , 0-5V output, silicone, SMD, 28x17x9 mm <sup>3</sup>		56,07	66,50
GUVA-S12GM-LA, sensor module, 240-370 nm, 0.076 mm <sup>2</sup> , 0-5V output, SMD, metal, 28x17x9 mm <sup>3</sup>		56,07	66,50
GUVB-T11GM-LA, sensor module, 220-320 nm, 0.076 mm <sup>2</sup> , 0-5V output, TO-can, 28x17x9 mm <sup>3</sup>		59,43	70,48
GUVB-S11SM-LA, sensor module, 240-320 nm, 0.076 mm <sup>2</sup> , 0-5V output, silicone, SMD, 28x17x9 mm <sup>3</sup>		56,07	66,50


GUVV-T10GM-LA, sensor module, 220-280 nm, 0.076 mm <sup>2</sup> , 0-5V output, TO-can, 28x17x9 mm <sup>3</sup>	59,43	70,48
GFUV-T10GM-LA-L, far UVC sensor module, 222 nm, 1.536 mm <sup>2</sup> , TO-can, 28x17x9 mm <sup>3</sup>	98,90	117,29
<b>Digital Output</b>		
GUVV-S10GM, digital sensor, 395 nm, 0.076 mm <sup>2</sup> , 0-50 mW/cm <sup>2</sup> , 10-bit, I2C, 3.0-3.6 V, 8-Pin, metal, 13x13x3 mm	24,75	29,35
GUVA-S12GM, digital sensor, 370 nm, 0.076 mm <sup>2</sup> , 0-50 mW/cm <sup>2</sup> , 10-bit, I2C, 3.0-3.6 V, 8-Pin, metal, 13x13x3 mm	24,75	29,35
GUVB-S31GM, digital sensor, 320 nm, 0.076 mm <sup>2</sup> , 0-50 mW/cm <sup>2</sup> , 10-bit, I2C, 3.0-3.6 V, 8-Pin, metal, 13x13x3 mm	24,75	29,35
GUVV-S10GM, digital sensor, 280 nm, 0.076 mm <sup>2</sup> , 0-50 mW/cm <sup>2</sup> , 10-bit, I2C, 3.0-3.6 V, 8-Pin, metal, 13x13x3 mm	24,75	29,35
<b>For Arduino</b>		
GVGR-T10GM-AD, sensor module, 300-510 nm, 0.076 mm <sup>2</sup> , Arduino, TO, 28x17x9 mm <sup>3</sup>	59,43	70,48
GVBL-T12GM-AD, sensor module, 320-445 nm, 0.076 mm <sup>2</sup> , Arduino, TO, 28x17x9 mm <sup>3</sup>	59,43	70,48
GUVL-T10GM-AD, sensor module, 220-320 nm, 0.076 mm <sup>2</sup> , Arduino, TO, 28x17x9 mm <sup>3</sup>	59,43	70,48
GUVV-T10GM-AD, sensor module, 230-395 nm, 0.076 mm <sup>2</sup> , Arduino, TO, 28x17x9 mm <sup>3</sup>	59,43	70,48
GUVA-T11GM-AD, sensor module, 220-370 nm, 0.076 mm <sup>2</sup> , Arduino, TO, 28x17x9 mm <sup>3</sup>	59,43	70,48
GUVB-T11GM-AD, sensor module, 220-320 nm, 0.076 mm <sup>2</sup> , Arduino, TO, 28x17x9 mm <sup>3</sup>	59,43	70,48
GUVV-T10GM-AD, sensor module, 220-280 nm, 0.076 mm <sup>2</sup> , Arduino, TO, 28x17x9 mm <sup>3</sup>	59,43	70,48

UV PHOTODIODES   SiC	Status	EUR / pc	USD / pc
 <p><b>Silicon Carbide</b> Photodiodes offering high visible blindness, low dark current, high speed, and low noise</p> <ul style="list-style-type: none"> <li>- operating temp. range -55 ...170°C</li> <li>- visible blindness &gt;10<sup>10</sup></li> <li>- UVA, -B, -C, and UV broadband version avail.</li> <li>- Erythem versions for measuring UV-index (UVI) available</li> </ul>			
<b>UVC   230 - 285 nm</b>			
SIC01S-C18, UVC, 230-285 nm, peak 270 nm, Ø0.06 mm <sup>2</sup> , TO-18		61,20	72,58
SIC01S-C18D, UVC, 230-285 nm, peak 270 nm, Ø0.06 mm <sup>2</sup> , TO-18, diffusor		79,20	93,93
SIC01S-C5, UVC, 230-285 nm, peak 270 nm, Ø0.06 mm <sup>2</sup> , TO-5		66,00	78,27
SIC01M-C18, UVC, 230-285 nm, peak 270 nm, Ø0.2 mm <sup>2</sup> , TO-18		90,00	106,74
SIC01M-C5, UVC, 230-285 nm, peak 270 nm, Ø0.2 mm <sup>2</sup> , TO-5		94,80	112,43
SIC01M-C5D, UVC, 230-285 nm, peak 270 nm, Ø0.2 mm <sup>2</sup> , TO-5, diffusor		112,80	133,78
SIC01D-C18, UVC, 230-285 nm, peak 270 nm, Ø0.5 mm <sup>2</sup> , TO-18		90,00	106,74
SIC01D-C18D, UVC, 230-285 nm, peak 270 nm, Ø0.5 mm <sup>2</sup> , TO-18, diffusor		108,00	128,08
SIC01D-C5D, UVC, 230-285 nm, peak 270 nm, Ø0.5 mm <sup>2</sup> , TO-5, diffusor		112,80	133,78
SIC01D-C5LENS, UVC, 225-287 nm, peak 275 nm, Ø0.5 mm <sup>2</sup> , TO-5, lens, flame detection (EN298)		111,60	132,35
SIC01L-C18, UVC, 230-285 nm, peak 270 nm, Ø1.0 mm <sup>2</sup> , TO-18		162,00	192,13
SIC01L-C18ISO90, UVC, 225-287 nm, peak 275 nm, Ø1.0 mm <sup>2</sup> , TO-18, both pins isolated		164,40	194,97
SIC01L-C5, UVC, 230-285 nm, peak 270 nm, Ø1.0 mm <sup>2</sup> , TO-5		162,00	192,13
SIC01F-C5, UVC, 230-285 nm, peak 270 nm, Ø1.82 mm <sup>2</sup> , TO-5		189,60	224,86
SIC01L-C5ISO90, UVC, 225-287 nm, peak 275 nm, Ø1.0 mm <sup>2</sup> , TO-5, both pins isolated		164,40	194,97
SIC01XL-C5, UVC, 230-285 nm, peak 270 nm, Ø7.6 mm <sup>2</sup> , TO-5		473,00	560,96
SIC01XL-C5ISO90, UV-broadband, 225-287 nm, peak 275 nm, Ø7.6 mm <sup>2</sup> , TO-5, both pins isolated		475,00	563,33
<b>UVB   230 - 315 nm</b>			
SIC01S-B18, UVB, 230-315 nm, peak 280 nm, Ø0.06 mm <sup>2</sup> , TO-18		61,20	72,58
SIC01M-B5, UVB, 230-315 nm, peak 280 nm, Ø0.2 mm <sup>2</sup> , TO-5		90,00	106,74
SIC01M-B18, UVB, 230-315 nm, peak 280 nm, Ø0.2 mm <sup>2</sup> , TO-18		90,00	106,74
SIC01D-BC18, UVB, 230-315 nm, peak 280 nm, Ø0.5 mm <sup>2</sup> , TO-18		90,00	106,74
SIC01L-B5, UVB, 230-315 nm, peak 280 nm, Ø1.0 mm <sup>2</sup> , TO-5		162,00	192,13
SIC01L-B18, UVB, 230-315 nm, peak 280 nm, Ø1.0 mm <sup>2</sup> , TO-18		162,00	192,13
SIC01L-B5ISO90, UVB, 231-309 nm, peak 280 nm, Ø1.0 mm <sup>2</sup> , TO-5, both pins isolated		164,40	194,97
SIC01XL-B5, UVB, 230-315 nm, peak 280 nm, Ø7.6 mm <sup>2</sup> , TO-5		473,00	560,96
<b>UVA   310 - 370 nm</b>			
SIC01S-A18, UVA, 310-370 nm, peak 335 nm, Ø0.06 mm <sup>2</sup> , TO-18		61,20	72,58
SIC01S-A5, UVA, 310-370 nm, peak 335 nm, Ø0.06 mm <sup>2</sup> , TO-5		66,10	78,39
SIC01M-A18, UVA, 310-370 nm, peak 335 nm, Ø0.2 mm <sup>2</sup> , TO-18		90,00	106,74
SIC01M-A5, UVA, 310-370 nm, peak 335 nm, Ø0.2 mm <sup>2</sup> , TO-5		94,80	112,43
SIC01D-A18, UVA, 310-370 nm, peak 335 nm, Ø0.5 mm <sup>2</sup> , TO-18		90,00	106,74
SIC01D-A18ISO90, UVA, 309-367 nm, peak 331 nm, Ø0.5 mm <sup>2</sup> , TO-18, both pins isolated		97,20	115,28
SIC01D-A5, UVA, 310-370 nm, peak 335 nm, Ø0.5 mm <sup>2</sup> , TO-5		94,80	112,43
SIC01L-A18, UVA, 309-367 nm, peak 331 nm, Ø1.0 mm <sup>2</sup> , TO-18		162,00	192,13
SIC01L-A18ISO90, UVA, 309-367 nm, peak 331 nm, Ø1.0 mm <sup>2</sup> , TO-18, both pins isolated		164,40	194,97
SIC01L-A5, UVA, 310-370 nm, peak 335 nm, Ø1.0 mm <sup>2</sup> , TO-5		162,00	192,13
SIC01XL-A5, UVA, 210-370 nm, peak 335 nm, Ø7.6 mm <sup>2</sup> , TO-5		473,00	560,96
<b>UV Broadband   215 - 365 nm</b>			
SIC01S-18, UV-broadband, 215-365 nm, peak 285 nm, Ø0.06 mm <sup>2</sup> , TO-18		32,40	38,43
SIC01S-18S, UV-broadband, 215-365 nm, peak 285 nm, Ø0.06 mm <sup>2</sup> , TO-18, low cap		37,20	44,12
SIC01S-18ISO90, UV-broadband, 215-365 nm, peak 285 nm, Ø0.06 mm <sup>2</sup> , TO-18, both pins isolated		39,60	46,96
SIC01S-18D, UV-broadband, 215-365 nm, peak 285 nm, Ø0.06 mm <sup>2</sup> , TO-18		50,40	59,77
SIC01S-5, UV-broadband, 215-365 nm, peak 285 nm, Ø0.06 mm <sup>2</sup> , TO-5		37,20	44,12
SIC01S-5ISO90LENS, UV-broadband, 215-365 nm, peak 285 nm, Ø0.06 mm <sup>2</sup> , TO-5, both pins isolated, lens		62,70	74,36
SIC01M-18, UV-broadband, 215-365 nm, peak 285 nm, Ø0.2 mm <sup>2</sup> , TO-18		61,20	72,58
SIC01M-18S, UV-broadband, 215-365 nm, peak 285 nm, Ø0.2 mm <sup>2</sup> , TO-18, low cap		61,20	72,58
SIC01M-18ISO90, UV-broadband, 215-365 nm, peak 285 nm, Ø0.2 mm <sup>2</sup> , TO-18, both pins isolated		61,20	72,58
SIC01M-5, UV-broadband, 215-365 nm, peak 285 nm, Ø0.2 mm <sup>2</sup> , TO-5		66,00	78,27
SIC01M-5LENS, UV-broadband, 220-360 nm, peak 288 nm, Ø0.2 mm <sup>2</sup> , TO-5, flame detection (EN298)		82,80	98,20
SIC01D-18, UV-broadband, 215-365 nm, peak 285 nm, Ø0.5 mm <sup>2</sup> , TO-18		61,20	72,58
SIC01D-18ISO90, UV-broadband, 215-365 nm, peak 285 nm, Ø0.5 mm <sup>2</sup> , TO-18, both pins isolated		61,20	72,58
SIC01D-18S, UV-broadband, 215-365 nm, peak 285 nm, Ø0.5 mm <sup>2</sup> , TO-18, low cap		61,20	72,58
SIC01D-5, UV-broadband, 215-365 nm, peak 285 nm, Ø0.5 mm <sup>2</sup> , TO-5		66,00	78,27
SIC01D-5ISO90, UV-broadband, 215-365 nm, peak 285 nm, Ø0.5 mm <sup>2</sup> , TO-5, both pins isolated		66,00	78,27
SIC01D-5LENS, UV-broadband, 220-360 nm, peak 288 nm, Ø0.5 mm <sup>2</sup> , TO-5, flame detection (EN298)		82,80	98,20
SIC01L-18, UV-broadband, 210-380 nm, peak 285 nm, Ø1.0 mm <sup>2</sup> , TO-18		128,40	152,28
SIC01L-18S, UV-broadband, 210-380 nm, peak 285 nm, Ø1.0 mm <sup>2</sup> , TO-18, low cap		128,40	152,28

SIC01L-18ISO90, UV-broadband, 210-380 nm, peak 285 nm, Ø1.0 mm <sup>2</sup> , TO-18, both pins isolated	135,60	160,82
SIC01L-5, UV-broadband, 210-380 nm, peak 285 nm, Ø1.0 mm <sup>2</sup> , TO-5	133,20	157,97
SIC01L-5ISO90, UV-broadband, 210-380 nm, peak 285 nm, Ø1.0 mm <sup>2</sup> , TO-5, both pins isolated	135,60	160,82
SIC01L-5ISO90LENS, UV-broadband, 215-365 nm, peak 285 nm, Ø1.0 mm <sup>2</sup> , TO-5, both pins isolated, lens	180,50	214,07
SIC01L-5LENS, UV-broadband, 220-360 nm, peak 288 nm, Ø1.0 mm <sup>2</sup> , TO-5, flame detection (EN298)	150,00	177,89
SIC01F-5, UV-broadband, 215-365 nm, peak 285 nm, Ø1.82 mm <sup>2</sup> , TO-5	160,80	190,70
SIC01F-5ISO90, UV-broadband, 215-365 nm, peak 285 nm, Ø1.82 mm <sup>2</sup> , TO-5, both pins isolated	160,80	190,70
SIC01XL-5, UV-broadband, 215-365 nm, peak 285 nm, Ø7.6 mm <sup>2</sup> , TO-5	447,00	530,12
SIC01XL-5ISO90, UV-broadband, 215-365 nm, peak 285 nm, Ø7.6 mm <sup>2</sup> , TO-5, both pins isolated	447,00	530,12
SIC01Q-5, UV-broadband, 215-365 nm, peak 285 nm, 4x 1.4 mm <sup>2</sup> , TO-5	704,00	834,91
<b>UV-Index   DIN5050, CIE087</b>		
SIC01L-E5, Erythem, 2 nA/UVI, Ø1.0 mm <sup>2</sup> , UV-Index (DIN5050/CIE087), TO-5	174,00	206,36


UV PHOTODIODES   SIC   integrated TIA	Status	EUR / pc	USD / pc
 <p>Silicon Carbide pre-amplified UV photodetector</p> <ul style="list-style-type: none"> <li>- integrated transimpedance amplifier</li> <li>- 0...5V stable output voltage</li> <li>- no external amplifier required</li> <li>- TO-5 metal can housing</li> </ul>			
<b>UVC   230 - 285 nm</b>			
UV-TIAMO-C1, 225-287 nm, <180 nW/cm <sup>2</sup> , chip size 0.5 mm <sup>2</sup> , flat window		189,75	225,04
UV-TIAMO-BLC2, 225-287 nm, <180 nW/cm <sup>2</sup> , chip size 0.5 mm <sup>2</sup> , ball lens		165,00	195,68
UV-TIAMO-BLC3, 225-287 nm, <1.8 µW/cm <sup>2</sup> , chip size 0.5 mm <sup>2</sup> , ball lens		165,00	195,68
UV-TIAMO-C4, 225-287 nm, <18 µW/cm <sup>2</sup> , chip size 0.5 mm <sup>2</sup> , flat window with diffuser		165,00	195,68
UV-TIAMO-C5, 225-287 nm, <180 µW/cm <sup>2</sup> , chip size 0.5 mm <sup>2</sup> , flat window with diffuser		165,00	195,68
UV-TIAMO-C6, 225-287 nm, <1.8 mW/cm <sup>2</sup> , chip size 0.5 mm <sup>2</sup> , flat window with diffuser		165,00	195,68
UV-TIAMO-C7, 225-287 nm, <18 mW/cm <sup>2</sup> , chip size 0.5 mm <sup>2</sup> , flat window with attenuator		165,00	195,68
UV-TIAMO-C8, 225-287 nm, <180 mW/cm <sup>2</sup> , chip size 0.5 mm <sup>2</sup> , flat window with attenuator		165,00	195,68
UV-TIAMO-C9, 225-287 nm, <1.8 W/cm <sup>2</sup> , chip size 0.5 mm <sup>2</sup> , flat window with attenuator		165,00	195,68
<b>UVB   243 - 303 nm</b>			
UV-TIAMO-B4, 243-303 nm, <7.5 µW/cm <sup>2</sup> , chip size 0.5 mm <sup>2</sup> , flat window with diffuser		165,00	195,68
UV-TIAMO-B5, 243-303 nm, <75 µW/cm <sup>2</sup> , chip size 0.5 mm <sup>2</sup> , flat window with diffuser		165,00	195,68
UV-TIAMO-B6, 243-303 nm, <0.75 mW/cm <sup>2</sup> , chip size 0.5 mm <sup>2</sup> , flat window with diffuser		165,00	195,68
<b>UVA   310 - 370 nm</b>			
UV-TIAMO-BLA, 309-367 nm, <18 µW/cm <sup>2</sup> , chip size 0.5 mm <sup>2</sup> , ball lens		165,00	195,68
UV-TIAMO-A5, 309-367 nm, <180 µW/cm <sup>2</sup> , chip size 0.5 mm <sup>2</sup> , flat window with diffuser		165,00	195,68
UV-TIAMO-A6, 309-367 nm, <1.8 mW/cm <sup>2</sup> , chip size 0.5 mm <sup>2</sup> , flat window with diffuser		165,00	195,68
UV-TIAMO-A7, 309-367 nm, <18 mW/cm <sup>2</sup> , chip size 0.5 mm <sup>2</sup> , flat window with attenuator		165,00	195,68
UV-TIAMO-A8, 309-367 nm, <180 mW/cm <sup>2</sup> , chip size 0.5 mm <sup>2</sup> , flat window with attenuator		165,00	195,68
UV-TIAMO-A9, 309-367 nm, <1.0 W/cm <sup>2</sup> , chip size 0.5 mm <sup>2</sup> , flat window with attenuator		165,00	195,68
<b>UV Broadband   215 - 365 nm</b>			
UV-TIAMO-BL, 221-358 nm, <18 nW/cm <sup>2</sup> , chip size 0.5 mm <sup>2</sup> , ball lens, flame detection		165,00	195,68
UV-TIAMO-BL2, 221-358 nm, <180 nW/cm <sup>2</sup> , chip size 0.5 mm <sup>2</sup> , ball lens		151,80	180,03
UV-TIAMO-S3, 227-360 nm, <1, 8 µW/cm <sup>2</sup> , chip size 0.5 mm <sup>2</sup> , flat window with diffuser		151,80	180,03
UV-TIAMO, 227-360 nm, <18 µW/cm <sup>2</sup> , chip size 0.5 mm <sup>2</sup> , flat window with diffuser		151,80	180,03
UV-TIAMO-S5, 227-360 nm, <180 µW/cm <sup>2</sup> , chip size 0.5 mm <sup>2</sup> , flat window with diffuser		151,80	180,03
UV-TIAMO-S6, 227-360 nm, <1.8 mW/cm <sup>2</sup> , chip size 0.5 mm <sup>2</sup> , flat window with diffuser		151,80	180,03
UV-TIAMO-S7, 227-360 nm, <18 mW/cm <sup>2</sup> , chip size 0.5 mm <sup>2</sup> , flat window with attenuator		151,80	180,03
UV-TIAMO-M8, 227-360 nm, <180 mW/cm <sup>2</sup> , chip size 0.5 mm <sup>2</sup> , flat window with attenuator		151,80	180,03
UV-TIAMO-M9, 227-360 nm, <1.8 W/cm <sup>2</sup> , chip size 0.5 mm <sup>2</sup> , flat window with attenuator		165,00	195,68
UV-TIAMO-M10, 227-360 nm, <18 W/cm <sup>2</sup> , chip size 0.5 mm <sup>2</sup> , flat window with attenuator		165,00	195,68
<b>UV-Index   DIN5050, CIE087</b>			
UV-TIAMO-E1, 300-400 nm, <3 UVI, flat window, UV-Index (CIE087)		165,00	195,68
UV-TIAMO-E2, 300-400 nm, <30 UVI, flat window, UV-Index (CIE087)		165,00	195,68


UV-TIAMO housing options	Status	EUR / pc	USD / pc
 <p>optional housings for UV-TIAMO Series</p> <p>material: stainless steel or PTFE</p> <p>waterproof: IP68 or pressure proof &lt;10 bar</p>			
UV-TIAMO HS5, stainless steel M12x1 thread body, binder 5-pin plug, 2m cable, 2.5-5 VDC		141,10	167,34
UV-TIAMO HS24, stainless steel M12x1 thread body, binder 4-pin plug, 2m cable, 7-24 VDC		141,10	167,34
UV-TIAMO HWS24, stainless steel G1/4" thread body, water pressure proof, <10bar, binder 5-pin plug, 2m cable, 7-24V		141,00	167,22
UV-TIAMO HP5, PTFE M12x1 thread body, IP68, binder 5-pin plug, 2m cable, 2.5-5 VDC		141,10	167,34
UV-TIAMO HP24, PTFE M12x1 thread body, IP68, binder 4-pin plug, 2m cable, 7-24 VDC		141,10	167,34
UV-TIAMO HWP5, PTFE G1/4" thread body, water pressure proof, <10bar, binder 5-pin plug, 2m cable, 2.5-5V		141,10	167,34
UV-TIAMO HWP24, PTFE G1/4" thread body, water pressure proof, <10bar, binder 5-pin plug, 2m cable, 7-24V		141,10	167,34

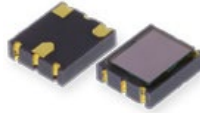
UV-TIAMO starter kit	Status	EUR / pc	USD / pc
 <p>starter kit for UV-TIAMO Series</p>			
UV-TIAMO SKIT, starter kit, connector socket, 9 V block battery plug, 2 banana plugs		27,75	32,91

# PHOTODIODES - VIS



VIS PHOTODIODES   Silicon		Status	EUR / pc	USD / pc
 <p>Silicon PIN photodiodes featuring excellent responsivity and high photocurrent Range of Sensivity: 400-1100 nm, peak @ 900 nm Different packages: TO-46, TO-39, 3 mm, 5 mm, SMD RoHS compliant</p>				
SPD19-33, active area 0.43x0.43 mm, 900 nm peak, Id 12 nA, angle 50°, 3 mm epoxy package			1,52	1,80
SPD19-C, active area 0.44x0.44 mm, 900 nm peak, Id 6 nA, angle 80°, SMD 3.0x2.0x1.1 mm			2,52	2,99
SPD19-CT, active area 0.44x0.44 mm, 900 nm peak, Id 6 nA, angle 80°, SMD 3.5x2.7x1.8 mm			2,28	2,70
SPD64-02, active area 0.81x0.81 mm, 900 nm peak, Id 20 nA, angle 28°, 5 mm epoxy package			2,16	2,56
SPD64-04, active area 0.81x0.81 mm, 900 nm peak, Id 14 nA, angle 90°, 5 mm epoxy package			3,89	4,61
SPD64-04B, active area 0.81x0.81 mm, 900 nm peak, Id 14 nA, angle 28°, filter, 5 mm epoxy package		EOL	1,77	2,10
SPD64-05, active area 0.8 x 0.8 mm <sup>2</sup> , 5 mm epoxy, ±40°			2,03	2,41
SPD17-0F, active area 1.25x1.25 mm, 900 nm peak, Id 25 nA, angle 110°, epoxy resin, TO-46			5,95	7,06
SPD400-0F, active area 2.0x2.0 mm, 900 nm peak, Id 50 nA, angle 120°, epoxy resin, TO-46			28,68	34,01

VIS PHOTODIODES   Silicon   integrated TIA		Status	EUR / pc	USD / pc
 <p>PIN silicon photodiodes with low noise JFET TI amplifier, integrated feedback resistor and capacitor, hermetical TO-5 package with collimating glass lens, very low offset and drift parameters, dual supply voltage +/-5 V up to +/-18V, operating temperature: -25° .. +85 °C, RoHS and WEEE conformity</p>				
IQ800L, active area 4.8 mm <sup>2</sup> , transimpedance 100 MOhm, 35 us, 10 kHz, ±5 degree			79,80	94,64
IQ801L, active area 4.8 mm <sup>2</sup> , transimpedance 10 MOhm, 15 us, 25 kHz, ±5 degree			79,80	94,64
IQ802L, active area 4.8 mm <sup>2</sup> , transimpedance 1 MOhm, 3 us, 120 kHz, ±5 degree			87,80	104,13


VIS AVALANCHE PHOTODIODES   Silicon		Status	EUR / pc	USD / pc
 <p>Silicon Avalanche Photodiode for Range Finding Application, LIDAR - small package: 3.8x3.8x1.3 mm<sup>2</sup> - high gain at low bias - fast response time, low noise - 905 nm narrowband filter available packages: LCC, TO-52 can</p>				
APD230-SMD, active area Ø0.23 mm, tr/ff 0.2 5ns, 1.5 pF, 3030 SMD package			19,80	23,48
APD500-LCC, active area Ø0.5 mm, tr/ff 0.6 ns, 1.2 pF, LCC6 package			24,30	28,82
APD500-TO52, active area Ø0.5 mm, tr/ff 0.6 ns, 1.2 pF, TO-52 package			33,10	39,26
APD500-TO52F, active area Ø0.5 mm, tr/ff 0.6 ns, 1.2 pF, TO-52 package			39,00	46,25


VIS PHOTO TRANSISTOR   Silicon		Status	EUR / pc	USD / pc
SPT36-05, chip size 0.8 x 0.8 mm <sup>2</sup> , 5 mm epoxy, flat, photo current typ. 4 mA, ±40°			2,65	3,14
SPT36-33, chip size 0.8 x 0.8 mm <sup>2</sup> , 3 mm epoxy, photo current typ. 7 mA, ±25°			2,65	3,14
SPT64-05, active area 0.8 x 0.8 mm <sup>2</sup> , 5 mm epoxy, ±40°			2,28	2,70
SPT64-33, active area 0.8 x 0.8 mm <sup>2</sup> , 3 mm epoxy, photo current typ. 10 mA, ±25°			2,03	2,41


VIS SELECTIVE PHOTODIODES   Silicon		Status	EUR / pc	USD / pc
 <p>wavelength selective photodiodes based on GaP, no interference filter or color glass filter used, photodiodes are intrinsic wavelength selective</p>				
<b>BLUE</b>				
EPD-470-3-0.5, 385-565 nm, active area 0.17 mm <sup>2</sup> , 3 mm epoxy			12,90	15,30
EPD-470-5-0.5, 385-565 nm, active area 0.17 mm <sup>2</sup> , 5 mm epoxy			12,90	15,30
<b>GREEN</b>				
EPD-525-5-0.5, 410-580 nm, active area 0.17 mm <sup>2</sup> , 5 mm epoxy			4,50	5,34
EPD-525-1-0.9, 410-580 nm, active area 0.62 mm <sup>2</sup> , SMD 1206			7,00	8,30
<b>RED</b>				
EPD-660-3-0.9, 605-705 nm, active area 0.62 mm <sup>2</sup> , 3 mm epoxy			12,51	14,84
EPD-660-1-0.9, 605-705 nm, active area 0.62 mm <sup>2</sup> , SMD 1206			28,10	33,33
<b>IR</b>				
EPD-880-5-0.5, 800-960 nm, active area 0.17 mm <sup>2</sup> , 5 mm epoxy			7,00	8,30
EPD-880-5-0.9, 800-960 nm, active area 0.62 mm <sup>2</sup> , 5 mm epoxy			7,00	8,30
EPD-880-1-0.9, 800-960 nm, active area 0.62 mm <sup>2</sup> , SMD 1206			7,00	8,30
EPD-1300-3-0.2, 800-1750 nm, active area 0.032 mm <sup>2</sup> , 3 mm epoxy			18,90	22,41

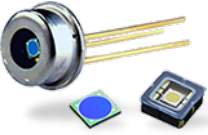
# PHOTODIODES - IR



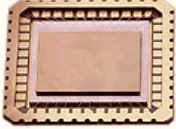
IR PHOTODIODES   GaAs   integrated TIA	Status	EUR / pc	USD / pc
 <p>GaAs PIN photodiodes with integrated T1 amplifier</p> <ul style="list-style-type: none"> <li>- 2.5 Gbps data rates</li> <li>- ball lens or flat window</li> <li>- TO-46 package</li> </ul>			
PD850-27TB-AMP, GaAs PIN PD, chip size 0.27x0.27 mm, 850 nm peak, 2.5 Gbps, TIA, TO-46, ball lens		8,80	10,44
PD850-27TF-AMP, GaAs PIN PD, chip size 0.27x0.27 mm, 850 nm peak, 2.5 Gbps, TIA, TO-46, flat window		8,80	10,44


IR PHOTODIODES   InGaAs	Status	EUR / pc	USD / pc
 <p>InGaAs, GaAs and InAsP photodiodes diverse packages chip die available on request</p>			
<b>900 - 1700 nm</b>			
IPD1450-038-SMT, 1450 nm peak, chip size 0.38x0.38 mm, Id <1 nA, angle 116°, SMD, 3.5x2.7x1.8 mm		7,16	8,49
IPD1450-038-5T, 1450 nm peak, chip size 0.38x0.38 mm, Id <1 nA, angle 58°, TO-18, flat window		20,85	24,73
PT4113, InGaAs PIN, 0.9 - 1.7 µm, Ø75 µm, >3 dBm, TO-46, flat window		16,90	20,04
PT4113B, InGaAs PIN, 0.9 - 1.7 µm, Ø75 µm, >3 dBm, TO-46, ball lens		16,90	20,04
PT5113, InGaAs PIN, 0.9 - 1.7 µm, Ø300 µm, >6 dBm, TO-46, flat window		18,70	22,18
PT5113B, InGaAs PIN, 0.9 - 1.7 µm, Ø300 µm, >6 dBm, TO-46, ball lens		o.r.	o.r.
LAPD-05-06-17-TO46, InGaAs PIN, 0.6 - 1.7 µm, aperture size Ø455 µm, TO-46		33,26	39,44
LAPD-05-09-17-TO46, InGaAs PIN, 0.9 - 1.7 µm, aperture size Ø455 µm, TO-46		25,19	29,87
LAPD-1-09-17-TO46, InGaAs PIN, 0.9 - 1.7 µm, aperture size Ø0.95 mm, TO-46		46,00	54,55
LAPD-1-09-17-TO46-T5P, InGaAs PIN, 0.9 - 1.7 µm, aperture size Ø0.95 mm, TEC, 5-pin, TO-46		o.r.	o.r.
LAPD-1-09-17-LCC, InGaAs PIN, 0.9 - 1.7 µm, aperture size Ø0.95 mm, 6CLCC		46,00	54,55
IPD1450-200-SMB, 1550 nm peak, active area 2x2 mm, Id <5 nA, angle 124°, SMD, 5.0x5.2x1.0 mm		57,96	68,74
LAPD-2-09-17-TO39, InGaAs PIN, 0.9 - 1.7 µm, aperture size Ø1.85 mm, TO-39		152,25	180,56
LAPD-2-09-17-TO39-T8P, InGaAs PIN, 0.9 - 1.7 µm, aperture size Ø1.85 mm, TEC, TO-39, 8-Pin		o.r.	o.r.
LAPD-2-09-17-LCC, InGaAs, 0.9 - 1.7 µm, aperture size Ø1.85 mm, 8LCC		152,25	180,56
PT711, InGaAs PIN, 1.0 - 1.65 µm, Ø2 mm area, 10 dBm, TO-5, flat window	EOL	245,00	290,56
LAPD-3-09-17-TO39, InGaAs PIN, 0.9 - 1.7 µm, aperture size Ø3 mm, TO-39		425,00	504,03
LAPD-3-09-17-LCC, InGaAs, 0.9 - 1.7 µm, aperture size Ø3 mm, 8CLCC		425,00	504,03
<b>600 - 1700 nm</b>			
PT421, InGaAs PIN, 0.5 - 1.65 µm, Ø75 µm, 10 dBm, TO-46, flat window	EOL	22,90	27,16
LAPD-1-06-17-TO46, InGaAs PIN, 0.6 - 1.7 µm, aperture size Ø0.95 mm, TO-46		59,90	71,04
LAPD-1-06-17-LCC, InGaAs PIN, 0.6 - 1.7 µm, aperture size Ø0.95 mm, 6CLCC		59,90	71,04
LAPD-2-06-17-TO39, InGaAs PIN, 0.6 - 1.7 µm, aperture size Ø1.85 mm, TO-39		223,13	264,62
LAPD-2-06-17-LCC, InGaAs PIN, 0.6 - 1.7 µm, aperture size Ø1.85 mm, 8CLCC		223,13	264,62
<b>1200 - 2200 nm</b>			
LAPD-1-12-22-TO46, InGaAs PIN, 1.2 - 2.2 µm, aperture size Ø0.95 mm, TO-46		182,70	216,67
LAPD-1-12-22-TO46-T5P, InGaAs PIN, 1.2 - 2.2 µm, aperture size Ø0.95 mm, TEC, TO-46, 3-Pin		o.r.	o.r.
LAPD-2-12-22-TO39, InGaAs PIN, 1.2 - 2.2 µm, aperture size Ø1.85 mm, TO-39		539,40	639,71
LAPD-2-12-22-TO39-T8P, InGaAs PIN, 1.2 - 2.2 µm, aperture size Ø1.85 mm, TEC, TO-39, 8-Pin		o.r.	o.r.

IR PIGTAILED PHOTODIODES   InGaAs	Status	EUR / pc	USD / pc
 <p>pigtailed InGaAs photodiodes diverse packages and connectors available</p>			
FCPD-55-C9, InGaAs, 0.85 - 1.7 µm, sensitive area 55 µm, 9 µm SM fiber, FC/PC, coaxial package		48,00	56,93
FCPD-55-C9-APC, InGaAs, 0.85 - 1.7 µm, sensitive area 55 µm, 9 µm SM fiber, FC/APC, coaxial package		45,90	54,44
FCPD-55-FC, InGaAs, 0.85 - 1.7 µm, sensitive area 55 µm, receptacle package, FC connector, without fiber		53,20	63,09
FCPD-80-C9, InGaAs, 0.85 - 1.7 µm, sensitive area 80 µm, 9 µm SM fiber, FC/PC, coaxial package		51,20	60,72
FCPD-80-FC, InGaAs, 0.85 - 1.7 µm, sensitive area 80 µm, FC connector, receptacle package		58,80	69,73
FCPD-300-C9, InGaAs, 0.85 - 1.7 µm, sensitive area 300 µm, 9 µm SM fiber, FC/PC, coaxial package		59,80	70,92
FCPD-300-FC, InGaAs, 0.85 - 1.7 µm, sensitive area 300 µm, FC connector, receptacle package		59,50	70,56
FCPD-1000-C9, InGaAs, 0.85 - 1.7 µm, sensitive area 1 mm, 9 µm SM fiber, FC/PC, coaxial package		181,30	215,01
FCPD-1000-FC, InGaAs, 0.85 - 1.7 µm, sensitive area 1 mm, FC receptacle		96,60	114,56
FCPD-2000-C9, InGaAs, 0.85 - 1.7 µm, sensitive area 2 mm, 9 µm SM fiber, FC/PC, coaxial package		294,60	349,38
FCPD-3000-C9, InGaAs, 0.85 - 1.7 µm, sensitive area 3 mm, 9 µm SM fiber, FC/PC, coaxial package		588,00	697,34


IR AVALANCHE PHOTODIODES   InGaAs	Status	EUR / pc	USD / pc
 <p>InGaAs Avalanche Photodiode for Range Finding Application, LIDAR, Spectral Analysis, Communication, ...</p> <ul style="list-style-type: none"> <li>- high sensitivity at 0.95 - 1.65 µm</li> <li>- low leakage current and noise</li> <li>- ≥700 MHz 3dB Bandwidth</li> <li>- Low Stray Absorption</li> </ul> <p>available packages: chip die, LCC, TO-46 can</p>			
APD200-CHIP, 0.95 - 1.65 µm, aperture size Ø200 µm, 2.5 pF, Chip Die		84,00	99,62
APD200-LCC, 0.95 - 1.65 µm, aperture size Ø200 µm, 2.5 pF, 6CLCC		130,00	154,17


APD200-TO46, 0.95 - 1.65 $\mu\text{m}$ , aperture size $\varnothing 200 \mu\text{m}$ , 2.5 pF, TO-46	130,00	154,17
APD200-TO46TEC, 0.95 - 1.65 $\mu\text{m}$ , aperture size $\varnothing 200 \mu\text{m}$ , 2.5 pF, TEC, TO-46	299,00	354,60


IR FOCAL PLANE ARRAYS   InGaAs		Status	EUR / pc	USD / pc
	two-dimensional InGaAs array 320 x 256 pixels, high sensitivity in the near infrared, extremely low noise, high dynamic range, room temperature operation, wavelength range 900 - 1700 nm, pixel width: 30 µm, responsivity 0.8 A/W, quantum efficiency >70%			
FPA320X256-980, InGaAs, 320x256, 10 MHz, 0.9-1.7 µm, LCC, ARC wind., 98%, oper.			6.117,00	7.254,51
FPA320X256-990, InGaAs, 320x256, 10 MHz, 0.9-1.7 µm, LCC, ARC wind., 99%, oper.			8.667,00	10.278,70
FPA320X256-999, InGaAs, 320x256, 10 MHz, 0.9-1.7 µm, LCC, ARC wind., 99.9%, oper.			9.177,00	10.883,54
FPA320X256-100, InGaAs, 320x256, 10 MHz, 0.9-1.7 µm, LCC, ARC wind., >99.95%, oper.			10.196,00	12.092,03

PHOTODIODES - MID-IR		Status	EUR / pc	USD / pc
	<b>Standard Mid-IR PDs</b> - wavelength range: 1 - 5 µm - sensitive areas: 0.3, 0.5 or 1.0 mm options: parabolic reflector (R), window (W), thermoelectric cooler and thermoresistor (T), narrow spectrum (NS) package: TO-18, TO-5, TO-8			
<b>1.0 - 2.5 µm</b>				
PD24-03SMD3020, 1.1-2.43 µm, 0.3 mm, 0.9-1.1 A/W, 30-60 µA, SMD 3x2 mm			70,30	83,37
PD24-03, 1.1-2.43 µm, 0.3 mm, 0.9-1.1 A/W, 30-60 µA, TO-18			83,25	98,73
PD24-03R, 1.1-2.43 µm, 0.3 mm, 0.9-1.1 A/W, 30-60 µA, TO-18, reflector			94,35	111,90
PD24-03RW, 1.1-2.43 µm, 0.3 mm, 0.9-1.1 A/W, 30-60 µA, TO-18, reflector, window			116,55	138,22
PD24-03TW, 1.1-2.43 µm, 0.3 mm, 0.9-1.1 A/W, 30-60 µA, TO-5, TEC, window			250,25	296,79
PD24-03TRW, 1.1-2.43 µm, 0.3 mm, 0.9-1.1 A/W, 30-60 µA, TO-5, TEC, reflector, window			269,50	319,62
PD25-10, 1.0-2.5 µm, 1 mm, 1.0-1.1 A/W, 15-22 µA, TO-18		<b>EOL</b>	291,90	346,18
<b>1.8 - 3.8 µm</b>				
PD36-03SMD3020, 1.8-3.8 µm, 0.3 mm, 0.7-0.8 A/W, 150-600 µA, SMD 3x2 mm			64,75	76,79
PD36-03, 1.8-3.8 µm, 0.3 mm, 0.7-0.8 A/W, 150-600 µA, TO-18			74,00	87,76
PD36-03R, 1.8-3.8 µm, 0.3 mm, 0.7-0.8 A/W, 150-600 µA, TO-18, reflector			85,10	100,93
PD36-03RW, 1.8-3.8 µm, 0.3 mm, 0.7-0.8 A/W, 150-600 µA, TO-18, reflector, window			107,30	127,25
PD36-03CH, 2.0-3.8 µm, 0.3 mm, 250-300 pF, 80-300 µA, TO-18, glass cover			88,80	105,31
PD36-03TW, 1.8-3.8 µm, 0.3 mm, 0.7-0.8 A/W, 150-600 µA, TO-5, TEC, window			241,00	285,82
PD36-03TRW, 1.8-3.8 µm, 0.3 mm, 0.7-0.8 A/W, 150-600 µA, TO-5, TEC, reflector, window			260,75	309,24
PD36-05SMD3020, 1.8-3.8 µm, 0.5 mm, 1.0-1.2 A/W, 300-1000 µA, SMD 3.0x2.0 mm			98,05	116,28
PD36-05, 1.8-3.8 µm, 0.5 mm, 1.0-1.2 A/W, 300-1000 µA, TO-18			118,40	140,42
PD36-05R, 1.8-3.8 µm, 0.5 mm, 1.0-1.2 A/W, 300-1000 µA, TO-18, reflector			129,50	153,58
PD36-05RW, 1.8-3.8 µm, 0.5 mm, 1.0-1.2 A/W, 300-1000 µA, TO-18, reflector, window			151,70	179,91
PD36-05CH, 2.0-3.6 µm, 0.5 mm, 600-1100 pF, 120-1000 µA, TO-18, glass cover			133,20	157,97
PD36-05TW, 1.8-3.8 µm, 0.5 mm, 1.0-1.2 A/W, 300-1000 µA, TO-5, TEC, window			283,50	336,22
PD36-05TRW, 1.8-3.8 µm, 0.5 mm, 1.0-1.2 A/W, 300-1000 µA, TO-5, TEC, reflector, window			302,75	359,05
<b>2.3 - 4.1 µm</b>				
PD40-05SMD3020, 2.3-4.1 µm, 0.5 mm, 1.2 A/W, 1.2 mA, SMD 3.0x2.0 mm			114,70	136,03
PD40-05, 2.3-4.1 µm, 0.5 mm, 1.2 A/W, 1.2 mA, TO-18			140,60	166,75
PD40-05R, 2.3-4.1 µm, 0.5 mm, 1.2 A/W, 1.2 mA, TO-18, reflector			151,70	179,91
PD40-05RW, 2.3-4.1 µm, 0.5 mm, 1.2 A/W, 1.2 mA, TO-18, reflector, window			173,90	206,24
PD40-05CH, 2.3-4.1 µm, 0.5 mm, 1.2 mA, TO-18, glass cover			155,40	184,30
PD40-05TW, 2.3-4.1 µm, 0.5 mm, 1.2 A/W, 1.2 mA, TO-5, TEC, window			304,50	361,12
PD40-05TRW, 2.3-4.1 µm, 0.5 mm, 1.2 A/W, 1.2 mA, TO-5, TEC, reflector, window			323,75	383,95
<b>2.8 - 4.1 µm</b>				
PD41-03SMD3020, 2.8-4.1 µm, 0.3 mm, 0.7-0.8 A/W, 5-6 mA, SMD 3x2 mm			68,45	81,18
PD41-03, 2.8-4.1 µm, 0.3 mm, 0.7-0.8 A/W, 5-6 mA, TO-18			83,25	98,73
PD41-03R, 2.8-4.1 µm, 0.3 mm, 0.7-0.8 A/W, 5-6 mA, TO-18, reflector			94,35	111,90
PD41-03RW, 2.8-4.1 µm, 0.3 mm, 0.7-0.8 A/W, 5-6 mA, TO-18, reflector, window			116,55	138,22
PD41-03TW, 2.8-4.1 µm, 0.3 mm, 0.7-0.8 A/W, 5-6 mA, TO-5, TEC, window			250,25	296,79
PD41-03TRW, 2.8-4.1 µm, 0.3 mm, 0.7-0.8 A/W, 5-6 mA, TO-5, TEC, reflector, window			269,50	319,62
PD41-05SMD3020, 2.8-4.1 µm, 0.5 mm, 1.1-1.2 A/W, 6.5-8.0 mA, SMD 3.8x3.8 mm			114,70	136,03
PD41-05, 2.8-4.1 µm, 0.5 mm, 1.1-1.2 A/W, 6.5-8.0 mA, TO-18			140,60	166,75
PD41-05R, 2.8-4.1 µm, 0.5 mm, 1.1-1.2 A/W, 6.5-8.0 mA, TO-18, reflector			151,70	179,91
PD41-05RW, 2.8-4.1 µm, 0.5 mm, 1.1-1.2 A/W, 6.5-8.0 mA, TO-18, reflector, window			173,90	206,24
PD41-05TW, 2.8-4.1 µm, 0.5 mm, 1.1-1.2 A/W, 6.5-8.0 mA, TO-5, TEC, window			304,50	361,12
PD41-05TRW, 2.8-4.1 µm, 0.5 mm, 1.1-1.2 A/W, 6.5-8.0 mA, TO-5, TEC, reflector, window			323,75	383,95
<b>3.0 - 3.2 µm</b>				
IR-PD 3.0, 3.0-3.2 µm, 0.2 A/W, InAs, TO-39 with 3.5 mm immersion lens			210,83	250,04

<b>3.7 - 4.6 <math>\mu</math>m</b>		
PD43-03SMD3020, 3.7-4.6 $\mu$ m, 0.3 mm, 1.6-2.0 A/W, 4-6 mA, SMD 3x2 mm	68,45	81,18
PD43-03, 3.7-4.6 $\mu$ m, 0.3 mm, 1.6-2.0 A/W, 4-6 mA, TO-18	83,25	98,73
PD43-03R, 3.7-4.6 $\mu$ m, 0.3 mm, 1.6-2.0 A/W, 4-6 mA, TO-18, reflector	94,35	111,90
PD43-03RW, 3.7-4.6 $\mu$ m, 0.3 mm, 1.6-2.0 A/W, 4-6 mA, TO-18, reflector, window	116,55	138,22
PD43-03CH, 3.6-4.6 $\mu$ m, 0.3 mm, 4-6 mA, TO-18, glass cover	98,05	116,28
PD43-03TW, 3.7-4.6 $\mu$ m, 0.3 mm, 1.6-2.0 A/W, 4-6 mA, TO-5, TEC, window	250,25	296,79
PD43-03TRW, 3.7-4.6 $\mu$ m, 0.3 mm, 1.6-2.0 A/W, 4-6 mA, TO-5, TEC, reflector, window	269,50	319,62
<b>2.8 - 4.7 <math>\mu</math>m</b>		
PD43-05SMD3020, 2.8-4.7 $\mu$ m, 0.5 mm, 0.9-1.0 A/W, 15-25 mA, SMD 3.8x3.8 mm	114,70	136,03
PD43-05, 2.8-4.7 $\mu$ m, 0.5 mm, 0.9-1.0 A/W, 15-25 mA, TO-18	140,60	166,75
PD43-05R, 2.8-4.7 $\mu$ m, 0.5 mm, 0.9-1.0 A/W, 15-25 mA, TO-18, reflector	151,70	179,91
PD43-05RW, 2.8-4.7 $\mu$ m, 0.5 mm, 0.9-1.0 A/W, 15-25 mA, TO-18, reflector, window	173,90	206,24
PD43-05CH, 2.6-4.6 $\mu$ m, 0.5 mm, 15-25 mA, TO-18, glass cover	155,40	184,30
PD43-05TW, 2.8-4.7 $\mu$ m, 0.5 mm, 0.9-1.0 A/W, 15-25 mA, TO-5, TEC, window	304,50	361,12
PD43-05TRW, 2.8-4.7 $\mu$ m, 0.5 mm, 0.9-1.0 A/W, 15-25 mA, TO-5, TEC, reflector, window	337,50	400,26
<b>2.8 - 4.9 <math>\mu</math>m</b>		
PD49-05SMD3020, 2.8-4.9 $\mu$ m, 0.5 mm, 1 A/W, 17 mA, SMD 3.0x2.0 mm	114,70	136,03
PD49-05, 2.8-4.9 $\mu$ m, 0.5 mm, 1 A/W, 17 mA, TO-18	140,60	166,75
PD49-05R, 2.8-4.9 $\mu$ m, 0.5 mm, 1 A/W, 17 mA, TO-18, reflector	151,70	179,91
PD49-05RW, 2.8-4.9 $\mu$ m, 0.5 mm, 1 A/W, 17 mA, TO-18, reflector, window	173,90	206,24
PD49-05CH, 2.8-4.9 $\mu$ m, 0.5 mm, 17 mA, TO-18, glass cover	155,40	184,30
PD49-05TW, 2.8-4.9 $\mu$ m, 0.5 mm, 1 A/W, 17 mA, TO-5, TEC, window	304,50	361,12
PD49-05TRW, 2.8-4.9 $\mu$ m, 0.5 mm, 1 A/W, 17 mA, TO-5, TEC, reflector, window	323,75	383,95


MID-IR PHOTODIODES   1.0 - 4.9 $\mu$ m   integrated TIA		Status	EUR / pc	USD / pc
	Mid-IR photodiode in aluminum tube package with an integrated preamplifier (AMP) supply voltage: 5 VDC  additional option: - parabolic reflector (R)			
<b>1.0 - 2.5 <math>\mu</math>m</b>				
PD24-03R-AMP, 1.1-2.43 $\mu$ m, 0.3 mm, reflector, preamplifier, 5 VDC, $\varnothing$ 12 x 40 mm tube			273,00	323,77
PD24-03RW-AMP, 1.1-2.43 $\mu$ m, 0.3 mm, refl., window, preamplifier, 5 VDC, $\varnothing$ 12 x 40 mm tube			294,00	348,67
<b>1.8 - 3.8 <math>\mu</math>m</b>				
PD36-03R-AMP, 1.8-3.8 $\mu$ m, 0.3 mm, reflector, preamplifier, 5 VDC, $\varnothing$ 12 x 40 mm tube			264,25	313,39
PD36-03RW-AMP, 1.8-3.8 $\mu$ m, 0.3 mm, refl., window, preamplifier, 5 VDC, $\varnothing$ 12 x 40 mm tube			285,25	338,29
PD36-03CHR-AMP, 2.0-3.8 $\mu$ m, 0.3 mm, glass cover, refl., preamplifier, 5 VDC, $\varnothing$ 12 x 40 mm tube			320,25	379,80
PD36-05R-AMP, 1.8-3.8 $\mu$ m, 0.5 mm, reflector, preamplifier, 5 VDC, $\varnothing$ 12 x 40 mm tube			306,25	363,20
PD36-05RW-AMP, 1.8-3.8 $\mu$ m, 0.5 mm, refl., window, preamplifier, 5 VDC, $\varnothing$ 12 x 40 mm tube			327,25	388,10
PD36-05CHR-AMP, 2.0-3.6 $\mu$ m, 0.5 mm, glass cover, refl., preamplifier, 5 VDC, $\varnothing$ 12 x 40 mm tube			320,25	379,80
<b>2.3 - 4.1 <math>\mu</math>m</b>				
PD40-05R-AMP, 2.3-4.1 $\mu$ m, 0.5 mm, reflector, preamplifier, 5 VDC, $\varnothing$ 12 x 40 mm tube			327,25	388,10
PD40-05RW-AMP, 2.3-4.1 $\mu$ m, 0.5 mm, refl., window, preamplifier, 5 VDC, $\varnothing$ 12 x 40 mm tube			348,25	413,01
PD40-05CHR-AMP, 2.3-4.1 $\mu$ m, 0.5 mm, glass cover, refl., preamplifier, 5 VDC, $\varnothing$ 12 x 40 mm tube			341,25	404,71
<b>2.8 - 4.1 <math>\mu</math>m</b>				
PD41-03R-AMP, 2.8-4.1 $\mu$ m, 0.3 mm, reflector, preamplifier, 5 VDC, $\varnothing$ 12 x 40 mm tube			273,00	323,77
PD41-03RW-AMP, 2.8-4.1 $\mu$ m, 0.3 mm, refl., window, preamplifier, 5 VDC, $\varnothing$ 12 x 40 mm tube			294,00	348,67
PD41-05R-AMP, 2.8-4.1 $\mu$ m, 0.5 mm, reflector, preamplifier, 5 VDC, $\varnothing$ 12 x 40 mm tube			327,25	388,10
PD41-05RW-AMP, 2.8-4.1 $\mu$ m, 0.5 mm, refl., window, preamplifier, 5 VDC, $\varnothing$ 12 x 40 mm tube			348,25	413,01
<b>3.7 - 4.6 <math>\mu</math>m</b>				
PD43-03R-AMP, 3.7-4.6 $\mu$ m, 0.3 mm, reflector, preamplifier, 5 VDC, $\varnothing$ 12 x 40 mm tube			273,00	323,77
PD43-03RW-AMP, 3.7-4.6 $\mu$ m, 0.3 mm, refl., window, preamplifier, 5 VDC, $\varnothing$ 12 x 40 mm tube			294,00	348,67
PD43-03CHR-AMP, 3.6-4.6 $\mu$ m, 0.3 mm, glass cover, refl., preamplifier, 5 VDC, $\varnothing$ 12 x 40 mm tube			287,00	340,37
<b>2.8 - 4.6 <math>\mu</math>m</b>				
PD43-05R-AMP, 2.8-4.6 $\mu$ m, 0.5 mm, reflector, preamplifier, 5 VDC, $\varnothing$ 12 x 40 mm tube			327,25	388,10
PD43-05RW-AMP, 2.8-4.6 $\mu$ m, 0.5 mm, refl., window, preamplifier, 5 VDC, $\varnothing$ 12 x 40 mm tube			348,25	413,01
PD43-05CHR-AMP, 2.6-4.6 $\mu$ m, 0.5 mm, glass cover, refl., preamplifier, 5 VDC, $\varnothing$ 12 x 40 mm tube			341,25	404,71
<b>2.8 - 4.9 <math>\mu</math>m</b>				
PD49-05R-AMP, 2.8-4.9 $\mu$ m, 0.5 mm, reflector, preamplifier, 5 VDC, $\varnothing$ 12 x 40 mm tube			327,25	388,10
PD49-05RW-AMP, 2.8-4.9 $\mu$ m, 0.5 mm, refl., window, preamplifier, 5 VDC, $\varnothing$ 12 x 40 mm tube			348,25	413,01
PD49-05CHR-AMP, 2.8-4.9 $\mu$ m, 0.5 mm, glass cover, refl., preamplifier, 5 VDC, $\varnothing$ 12 x 40 mm tube			341,25	404,71


SYNCHRONOUS DETECTOR FOR MID-IR PD with TIA		Status	EUR / pc	USD / pc
	Synchronous detector for Mid-IR PDs with AMP measures the voltage signal of AMP and converts it to DC voltage signal proportional to the amplitude of input voltage  - 3 independent channels - built-in power supply for AMP			
PCB-SDETECT-1P, measure and convert PD AMP signal, pulsed mode, 1 channel, 12 VDC			149,85	177,72
PCB-SDETECT-2P, measure and convert PD AMP signal, pulsed mode, 2 channels, 12 VDC			181,30	215,01
PCB-SDETECT-3P, measure and convert PD AMP signal, pulsed mode, 3 channels, 12 VDC			201,25	238,67


MID-IR PORTABLE MINI SPECTROMETER   1.3 - 2.4 $\mu\text{m}$	Status	EUR / pc	USD / pc
 <p><b>Mini-Spectrometer</b> for spectral express analysis in the near infrared (IR) range from 1.3 to 2.4 <math>\mu\text{m}</math>. - portable, compact size (60x42x42 mm) - reflectance-based analysis - multi-element LED matrix, wideband photodiode - USB, software control via Windows PC</p>			
SPECTRO-M, 1.3-2.4 $\mu\text{m}$ , reflectance-based analysis, USB, Windows software		o.r.	o.r.


## AMPLIFIERS FOR PHOTODIODES




General purpose current & voltage converter boards	Status	EUR / pc	USD / pc
 <p>General purpose current &amp; voltage converter boards  adjustable offset and gain, supply voltage 7-24 VDC, PCB size: 13 x 26 x 8 mm</p>			
AMPCON 4-20L, general purpose photodiode current converter, 0-250 $\mu\text{A}$ to 4-20 mA		78,00	92,50
AMPCON 4-20M, general purpose photodiode current converter, 0-2.5 $\mu\text{A}$ to 4-20 mA		78,00	92,50
AMPCON 4-20H, general purpose photodiode current converter, 0-25 nA to 4-20 mA		78,00	92,50
VOLTCON 0-5L, general purpose photodiode voltage converter 0..500 $\mu\text{A}$ to 0..5 V		78,00	92,50
VOLTCON 0-5M, general purpose photodiode voltage converter 0..5 $\mu\text{A}$ to 0..5 V		78,00	92,50
VOLTCON 0-5H, general purpose photodiode voltage converter 0..50 nA to 0..5 V		78,00	92,50

Multi-channel PD preamplifier boards	Status	EUR / pc	USD / pc
 <p>high gain and low noise general purpose photodiode preamplifier board</p>			
MULTIBOARD, general purpose photodiode amplifier board, 2 channels, $\pm 9$ - $\pm 24$ VDC		104,00	123,34
DIGIBOARD, general purpose photodiode amplifier board, 2 channels, 5-18 VDC		176,00	208,73

USBAMP-4 Photocurrent Digitizer	Status	EUR / pc	USD / pc
 <p><b>Photocurrent Digitizer</b> converts small DC currents into digital values, to display and record your measurements on your computer - 4 selectable gain levels, pA - <math>\mu\text{A}</math> - incl. software control via PC, easy to use - incl. PTB traceable current calibration</p>			
USBAMP-4, computer-controlled photocurrent digitizer, 4 switchable gains, pA- $\mu\text{A}$ , USB, BNC		572,00	678,37

MID-IR PD voltage converter board	Status	EUR / pc	USD / pc
 <p>Mini preamplifier for Mid-IR PDs works in photovoltaic mode: the board converts the amplified photodiode current into a voltage signal - 1 channel</p>			
PCB-MPREAMP, photovoltaic mode, supply voltage 5 VDC, 26 x 10 mm		129,50	153,58

MID-IR PD amplifier with integrated synchrodetector	Status	EUR / pc	USD / pc
 <p>Amplifier with integrated Synchrodetector for Mid-IR photodiodes. Maximum Output <math>\pm 4\text{V}</math> for subsequent use with lock-in amplifiers, oscilloscopes or A/D converters. Signal output on LC display</p>			
AM-07, 0.5kHz-1MHz, max. $6.4 \cdot 10^6$ V/A, for MID-IR PD series		373,80	443,31
AMT-07, 0.5kHz-1MHz, max. $6.4 \cdot 10^6$ V/A, TEC support, for MID-IR PD series		417,90	495,61

# PHOTODIODES BARE CHIP DIES



General purpose current & voltage converter boards

Status

EUR / pc

USD / pc



Photodiode chip dies  
minimum order quantity 10 pcs. (MOQ)

355 nm - 1750 nm

PX410, InGaAs photodiode chip die, 1.0 - 1.65 $\mu\text{m}$ , active area 75 $\mu\text{m}$	3,85	4,57
OTIR1017-3MD, InGaAs photodiode chip die, 0.8 - 1.7 $\mu\text{m}$ , active area 300 $\mu\text{m}$	2,24	2,66
LAPD-05-06-17-CHIP, InGaAs, 0.6 - 1.7 $\mu\text{m}$ , aperture size $\varnothing 455 \mu\text{m}$ , chip die	16,70	19,81
LAPD-05-09-17-CHIP, InGaAs, 0.9 - 1.7 $\mu\text{m}$ , aperture size $\varnothing 455 \mu\text{m}$ , chip die	11,13	13,20
LAPD-1-09-17-CHIP, InGaAs, 1.0 - 1.7 $\mu\text{m}$ , aperture size $\varnothing 0.95 \text{ mm}$ , chip die	29,70	35,22
LAPD-1-06-17-CHIP, InGaAs, 0.6 - 1.7 $\mu\text{m}$ , aperture size $\varnothing 0.95 \text{ mm}$ , chip die	44,55	52,83
LAPD-1-12-22-CHIP, InGaAs, 1.2 - 2.2 $\mu\text{m}$ , aperture size $\varnothing 0.95 \text{ mm}$ , chip die	121,80	144,45
LAPD-2-09-17-CHIP, InGaAs, 1.0 - 1.7 $\mu\text{m}$ , aperture size $\varnothing 1.85 \text{ mm}$ , chip die	61,43	72,85
LAPD-2-06-17-CHIP, InGaAs, 0.6 - 1.7 $\mu\text{m}$ , aperture size $\varnothing 1.85 \text{ mm}$ , chip die	170,10	201,73
LAPD-2-12-22-CHIP, InGaAs, 1.2 - 2.2 $\mu\text{m}$ , aperture size $\varnothing 1.85 \text{ mm}$ , chip die	464,00	550,28
LAPD-Q2-09-17-CHIP, InGaAs Quadrant PIN, 0.9 - 1.7 $\mu\text{m}$ , aperture size $\varnothing 1.86 \text{ mm}$ , chip die	o.r.	o.r.
LAPD-3-09-17-CHIP, InGaAs, 1.0 - 1.7 $\mu\text{m}$ , aperture size $\varnothing 3 \text{ mm}$ , chip die	357,00	423,39
LAPD-5-09-17-CHIP, InGaAs, 1.0 - 1.7 $\mu\text{m}$ , aperture size $\varnothing 5 \text{ mm}$ , chip die	o.r.	o.r.

# THERMOPILES



Thermopile Detectors | 5.0 - 14  $\mu\text{m}$

Status

EUR / pc

USD / pc



Thermopile sensors for IR temperature measurements, radiation monitoring, gas analysis  
 • hermetically sealed TO metal can package  
 • high sensitivity

TP336A, 5-14  $\mu\text{m}$ , 85 V/W, sensitive area  $\varnothing 545 \mu\text{m}$ , TO-5, window  $\varnothing 2.6 \text{ mm}$   
 TP339UG, 5-14  $\mu\text{m}$ , 85 V/W, sensitive area  $\varnothing 545 \mu\text{m}$ , TO-18, window  $\varnothing 3.0 \text{ mm}$

EOL	4,98	5,91
EOL	4,98	5,91

# INTERFERENCE FILTERS



Interference Filters |  $\varnothing 12.7 \text{ mm}$  | 254 - 1064 nm

Status

EUR / pc

USD / pc




easy to use glued crystal assembly for generating green high quality interference filters for many science and technical applications

further wavelengths and sizes on request

RLT-254-11-A, 254 nm, T >15%, size $\varnothing 12.7 \text{ mm} \times 4.7 \text{ mm}$	77,80	92,27
RLT-330-10-A, 330 nm, T >30%, size $\varnothing 12.7 \text{ mm} \times 6.6 \text{ mm}$	77,80	92,27
RLT-340-10-A, 340 nm, T >40%, size $\varnothing 12.7 \text{ mm} \times 7.3 \text{ mm}$	258,00	305,98
RLT-365-12-A, 365 nm, T >40%, size $\varnothing 12.7 \text{ mm} \times 6.3 \text{ mm}$	77,80	92,27
RLT-405-12-A, 405 nm, T >40%, size $\varnothing 12.7 \text{ mm} \times 8.3 \text{ mm}$	77,80	92,27
RLT-436-12-A, 436 nm, T >45%, size $\varnothing 12.7 \text{ mm} \times 6.6 \text{ mm}$	77,80	92,27
RLT-445-10-A, 445 nm, T >50%, $\varnothing 12.7 \text{ mm}$ , Dicke <8.5 mm	198,00	234,82
RLT-458-11-A, 458 nm, T >70%, $\varnothing 12.7 \text{ mm}$ , Dicke <8.5 mm	134,90	159,99
RLT-488-10-A, 488 nm, T >70%, $\varnothing 12.7 \text{ mm}$ , Dicke <8.5 mm	198,00	234,82
RLT-500-11-A, 500 nm, T >50%, size $\varnothing 12.7 \text{ mm} \times 5.7 \text{ mm}$	134,90	159,99
RLT-514.5-11-A, 514.5 nm, T >70%, size $\varnothing 12.7 \text{ mm} \times 5.7 \text{ mm}$	134,90	159,99
RLT-520-11-A, 511 nm, T >50%, size $\varnothing 12.7 \text{ mm} \times 5.7 \text{ mm}$	77,80	92,27
RLT-532-10-A, 532 nm, T >70%, size $\varnothing 12.7 \text{ mm} \times 5.8 \text{ mm}$	77,80	92,27
RLT-546-10-A, 546 nm, T >50%, size $\varnothing 12.7 \text{ mm} \times 5.8 \text{ mm}$	77,80	92,27
RLT-589-10-A, 589 nm, T >60%, size $\varnothing 12.7 \text{ mm} \times 5.3 \text{ mm}$	77,80	92,27
RLT-600-22-A, 600 nm, T >60%, size $\varnothing 12.7 \text{ mm} \times 5.3 \text{ mm}$	77,80	92,27
RLT-620-12-A, 620 nm, T >60%, size $\varnothing 12.7 \text{ mm} \times 5.3 \text{ mm}$	144,10	170,90
RLT-632.8-11-A, 632.8 nm, T >70%, size $\varnothing 12.7 \text{ mm} \times 2.8 \text{ mm}$	77,80	92,27
RLT-635-11-A, 635 nm, T >70%, size $\varnothing 12.7 \text{ mm} \times 2.8 \text{ mm}$	156,90	186,08
RLT-650-11-A, 650 nm, T >70%, size $\varnothing 12.7 \text{ mm} \times 2.8 \text{ mm}$	75,40	89,42
RLT-655-25-A, 655 nm, T >70%, size $\varnothing 12.7 \text{ mm} \times 2.8 \text{ mm}$	75,40	89,42
RLT-658-11-A, 658 nm, T >70%, size $\varnothing 12.7 \text{ mm} \times 2.8 \text{ mm}$	194,25	230,37
RLT-660-11-A, 660 nm, T >70%, size $\varnothing 12.7 \text{ mm} \times 2.8 \text{ mm}$	194,25	230,37
RLT-670-11-A, 670 nm, T >70%, size $\varnothing 12.7 \text{ mm} \times 2.8 \text{ mm}$	142,30	168,76
RLT-670-25-A, 670 nm, T >70%, size $\varnothing 12.7 \text{ mm} \times 2.8 \text{ mm}$	75,40	89,42
RLT-680-11-A, 680 nm, T >70%, size $\varnothing 12.7 \text{ mm} \times 2.8 \text{ mm}$	75,40	89,42
RLT-690-11-A, 690 nm, T >70%, size $\varnothing 12.7 \text{ mm} \times 2.8 \text{ mm}$	75,40	89,42
RLT-780-11-A, 780 nm, T >70%, size $\varnothing 12.7 \text{ mm} \times 2.8 \text{ mm}$	75,40	89,42
RLT-780-12-A, 780 nm, T >70%, size $\varnothing 12.7 \text{ mm} \times 2.8 \text{ mm}$	75,40	89,42
RLT-785-27.5-A, 785 nm, T >70%, size $\varnothing 12.7 \text{ mm} \times 3.6 \text{ mm}$	134,90	159,99
RLT-790-12.5-A, 790 nm, T >70%, size $\varnothing 12.7 \text{ mm} \times 3.6 \text{ mm}$	158,00	187,38
RLT-850-25-A, 850 nm, T >70%, size $\varnothing 12.7 \text{ mm} \times 2.3 \text{ mm}$	77,80	92,27
RLT-905-34-A, 905 nm, T >70%, size $\varnothing 12.7 \text{ mm} \times 3.3 \text{ mm}$	77,80	92,27
RLT-1064-11-A, 1064 nm, T >70%, size $\varnothing 12.7 \text{ mm} \times 3.6 \text{ mm}$	79,00	93,69


# OPTICAL POWER METERS



Coherent Power Meters	Status	EUR / pc	USD / pc
 <p>Coherent laser power and energy meters, sensors and accessories, for handheld operation and laboratory use</p>			
LASERCHECK, handheld laser power meter, 400..1064 nm, 0.5 µW up to 1 W		616,00	730,55
FIELDMATE, laser power meter, analog and digital readout, AC/DC operation		o.r.	o.r.
FIELDMAX II P, laser energy meter, USB computer interface, LCD display		o.r.	o.r.
FIELDMAX II TO, laser power meter, USB computer interface, LCD display		o.r.	o.r.
FIELDMAX II TOP, laser energy and power meter, USB computer interface, LCD Display		o.r.	o.r.
LABMAX TO, laser power meter, USB and RS232 interface, data logging		o.r.	o.r.
LABMAX TOP, 1104622, Laser Power & Energy Meter, ISO/IEC 17025:2017 calibrated, software included		o.r.	o.r.
LABMAX TOUCH, laser energy & power meter, 7" touch-screen, variety of interface, Li-ion battery		o.r.	o.r.
LABMAX TOUCH PRO, laser energy & power meter, 7" touch-screen, 1 MHz, variety of interface, Li-ion battery		o.r.	o.r.
Power Meter Sensors	Status	EUR / pc	USD / pc
OP-2-IR, 800..1800 nm, max. power 10 mW, active area Ø5 mm, resolution 1 nW		o.r.	o.r.
OP-2-VIS, 400..1060 nm, max. power 50 mW, active area Ø7.9 mm, resolution 1 nW		o.r.	o.r.
OP-2-UV, 250..400 nm, max. power 30 mW, active area Ø6 mm, resolution 1 nW		o.r.	o.r.
J-10MB-LE, 0.19..12 µm, 300nJ-60µJ, active area Ø10 mm, <1 khz		o.r.	o.r.
J-10MB-HE, 1110843, ENERGYMAX SENSOR, 190nm-12µm, 10µJ-20mJ, Ø10 mm, <1 khz, ISO/IEC 17025:2017 calibr.		o.r.	o.r.
J-10MT-10KHZ, 1110856, ENERGYMAX SENSOR, 0.3-2.1µm, 100nJ-200µJ, Ø10 mm, <10 khz, ISO/IEC 17025:2017 ca		o.r.	o.r.
Power Meter Accessories	Status	EUR / pc	USD / pc
AC POWERADAPTER		o.r.	o.r.
FIELDMATE SOFTCASE		o.r.	o.r.


# FIBER CHECKERS



Fiberpoint series   Made in Germany	Status	EUR / pc	USD / pc
 <p>fiber optic fault locator made in germany for field, industrial, and laboratory use many common connectors supported for single mode/multimode fibers Dust cap and AAA alkaline batteries included 3 different adapters available</p>			
FIBERPOINT 250, 635 nm, <1 mW, 2.5 mm, pulse & cw, 21 x 170 mm, 2x AAA, Quadrosafe		167,00	198,06
FIBERPOINT 250HP, 635 nm, <3 mW, pulse & cw, 21 x 170 mm, 2x AAA, Laserclass 2M, Quadrosafe		175,00	207,54
FIBERPOINT 250MD, 635 nm, <1 mW, 2.5 mm, pulse & cw, 12 x 67 mm, 2 x AAA, transport case		182,00	215,84
FIBERPOINT ET G, 520 nm, <400 µW, pulse & cw, 12 x 167 mm, 2 x AAA, Case, Laserclass 1		183,00	217,03
Accessories			
FP-ADAPTER POF, for 1.5 and 2.2 mm polymer optical fibers, attenuation <1 dB		27,23	32,29
FP-ADAPTER SMA, for SMA 905 connector, attenuation <1 dB		38,11	45,20
FP-ADAPTER 2.5-1.25, for 1.25 mm connector LC, MU, F3000, attenuation <1 dB		41,40	49,10
FCC OEM Fiberchecker	Status	EUR / pc	USD / pc
FCC-6512-5, 650 nm, 5 mW, pulse & cw, MM, 2.5 mm, 2 x AAA, not for sale in germany		70,00	83,02





# DETECTOR CARDS



Laser Detector Cards   800 - 1650 nm	Status	EUR / pc	USD / pc
 <p>infrared sensor cards for UV and IR-light visualisation Wavelength range 250-400nm and 800-1650 nm</p> <p>Sensor size: 1 x 1 cm or 3 x 5 cm</p> <p>custom logo &amp; layout available on request</p>			
UV			
HTUV1-10X10, Absorbtion range 250 ...400 nm, emission range 500 ...620 nm, active area 1x1 cm	NEW	45,90	54,44
HTUV1-30X50, Absorbtion range 250 ...400 nm, emission range 500 ...620 nm, active area 3x5 cm	NEW	86,90	103,06
IR			
HT111-10X10, 940...990 nm, active area 1x1 cm, upconverting		17,90	21,23
HT111-30X50, 940...990 nm, active area 3x5 cm, upconverting		41,70	49,45
HT582-10X10, 800...1400 nm, active area 1x1 cm, light loadable		17,90	21,23
HT582-30X50, 800...1400 nm, active area 3x5 cm, light loadable		41,70	49,45
HT612-10X10, 800...1650 nm, active area 1x1 cm, light loadable		17,90	21,23
HT612-30X50, 800...1650 nm, active area 3x5 cm, light loadable		41,70	49,45

# LASER SAFETY GOGGLES



Univet Laser Safety Goggles   Frameless		Status	EUR / pc	USD / pc
				
<b>UV</b>				
5X8.03.00.03, UV400, polycarbonate, yellow			18,90	22,41
505U.00.00.19, <420 nm, polycarbonate, yellow, VLT 83.2%		<b>EOL</b>	10,90	12,93
<b>BLUE + GREEN</b>				
5X3.03.33.04, <525 nm, polyc., orange, VLT 57.5%			26,80	31,78
5X7L.00.00.653, 180-541 nm, [alignment 560-780 nm], polyc., orange, VLT 38%			91,00	107,92
<b>IR</b>				
5X7L.00.00.651, 715-1120 nm, [alignment 470-650nm], polyc., green, VLT 33%			101,30	120,14
5X7L.00.00.652, 735-870 nm, [alignment 410-695 nm], polyc., pink, VLT 19%			163,80	194,26
Univet Laser Safety Goggles   Professional Series		Status	EUR / pc	USD / pc
				
Professional laser safety glasses				
<ul style="list-style-type: none"> <li>- Side protection by full frame</li> <li>- adjustable silicone nose bridge</li> <li>- adjustable soft touch earpiece</li> <li>- suitable over prescription glasses</li> <li>- case and collar included</li> </ul>				
<b>ALIGNMENT ONLY</b>				
562S.00.00.307, alignment 440-570 nm, polyc., pink, VLT 19%			182,27	216,16
562S.00.00.301, alignment 592-695 nm, polyc., light blue, VLT 32%			159,00	188,57
562S.00.00.351, alignment 400-430 nm + 560-700 nm, polyc. blue, VLT 15%			128,00	151,80
<b>UV + BLUE + GREEN</b>				
562S.00.00.349, 190-535 nm + 680-1115 nm + 9-11 µm, [alignment 560-620 nm], polyc., dark orange, VLT 10%			203,00	240,75
562S.00.00.329, 190-532 + 800-1105 nm + 9-11 µm, [alignment 555-695 nm], polyc., dark orange, VLT 16%			196,00	232,45
<b>UV + RED</b>				
562S.00.00.311, 190-375 nm + 600-670 nm, [alignment 425-555 nm], polyc., blue, VLT 16%			171,00	202,80
<b>UV + RED + IR</b>				
562H.00.00.201, 190-315 nm + 645-1525 nm + 2.8-3.3 µm, glass, green, VLT 40%		<b>EOL</b>	236,00	279,89
562S.00.00.201, 190-315 nm + 645-1525 nm + 2.8-3.3 µm, [alignment 380-590 nm], glass, green, VLT 27%			296,00	351,04
<b>UV + IR</b>				
562S.00.00.200, 190-260nm + 815-1400 nm, [alignment 380-720], glass, aqua, VLT 64%			331,30	392,91
562S.00.01.200, 190-260 nm + 815-1400 nm, [alignment 380-720 nm], glass aqua, VLT 64%, anthracite frame			271,00	321,39
562S.00.00.300, 190-315 nm + 9-11 µm, [alignment 400-780], polyc., clear, VLT 90%			81,00	96,06
562S.00.00.309, 190-430 nm + 750-1100 nm + 9-11 µm, [alignment 470-650nm], polyc., green, VLT 33%			140,00	166,03
562S.00.00.312, 190-315 nm + 720-870 nm, [alignment 410-695 nm], polyc., pink, VLT 19%			193,00	228,89
Univet Laser Safety Goggles   High Power Series		Status	EUR / pc	USD / pc
				
High-intensity laser protection				
<ul style="list-style-type: none"> <li>- high protection 2mm thick aluminium shield</li> <li>- elastic adjustable band increases glasses stability</li> <li>- soft internal rubber cushion, no pressure points</li> <li>- interferential glass filters</li> <li>- absorbing filters made in polycarbonate or glass</li> <li>- Model available also with temples</li> </ul>				
<b>UV + IR</b>				
559G.00.00.300, 190-315 nm + 9-11 µm, [alignment 400-780 nm], polyc., clear, VLT 90%			143,00	169,59
<b>UV + GREEN</b>				
559G.00.00.012, 190-580 nm, [alignment 605-780 nm], glass, dark red, VLT 7%			351,00	416,27
<b>GREEN</b>				
559G.00.00.101, 515-532 nm, [alignment 587-780 nm], glass+coating, orange, VLT 15%			497,00	589,42
<b>IR</b>				
559G.00.00.010, 0.775-3.0 µm + 9-11 µm, [alignment 380-740 nm], glass, aqua, VLT 57%			497,00	589,42
Univet Laser Safety Goggles   Patient Series		Status	EUR / pc	USD / pc
				
Professional laser safety eyewear for patients				
<ul style="list-style-type: none"> <li>- adjustable nose pad and cord</li> <li>- soft interchangeable face-foam</li> <li>- can be sterilized by autoclave</li> <li>- available with laser filters or blind</li> </ul>				
616L.00.00.000, Laser Safety Eyewear, for patient, white, blind			159,00	188,57
617L.00.00.000, Laser Safety Eyewear, for patient, gray, blind			140,00	166,03

# LASER POINTERS - VIOLET



RLP-405 Series   405 nm		Status	EUR / pc	USD / pc
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**Violet diode laser pointer**



- **Automatic Power Control (APC)**
- **Control LED**
- transport case & batteries included
- metal housing, chrome polished

**405 nm**

RLP-405-01E, 405 nm, <1 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery, no safety key switch


33,60


39,85


RLP-405 Series with Safety Keylock   405 nm		Status	EUR / pc	USD / pc
	<b>Violet diode laser pointer</b> - Automatic Power Control (APC) - Control LED - Safety Keylock - transport case & batteries included - metal housing, chrome polished			
RLP-405-01, 405 nm, <1 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery			42,00	49,81
RLP-405-05, 405 nm, <5 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery			42,00	49,81
RLP-405-10, 405 nm, <10 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery			59,10	70,09
RLP-405-50, 405 nm, 50 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery			112,00	132,83
RLP-405-100, 405 nm, 100 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery			128,00	151,80
GLP-405 Series   405 nm		Status	EUR / pc	USD / pc
	GLP series, 405 nm laser diode, 5-20mW, for science and <b>fluorescence excitation</b> applications. 405 nm laserlight is close to the limit of the human visibility, spot brightness on normal targets is poor. 2 x CR2 batteries, included <b>405 nm</b>			
GLP-405-5, 405 nm, 5 mW, cw, 2 x 1.5V AAA, 80 g, size 13.5 x 150 mm		EOL	149,00	176,71
GLP-405-10, 10 mW, cw, 2 x 1.5V AAA, 80 g, size 13.5 x 150 mm		EOL	155,00	183,82

## LASER POINTERS - BLUE




RLP-450 Series   450 nm		Status	EUR / pc	USD / pc
	<b>Royalblue diode laser pointer</b> - Automatic Power Control (APC) - Control LED - transport case & batteries included - metal housing, chrome polished <b>450 nm</b>			
RLP-450-01E, 450 nm, <1 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery, no safety key switch			52,50	62,26








RLP-450 Series with Safety Keylock   450 nm		Status	EUR / pc	USD / pc
	<b>Royalblue diode laser pointer</b> - Automatic Power Control (APC) - Control LED - Safety Keylock - transport case & batteries included - metal housing, chrome polished			
RLP-450-01, 450 nm, <1 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery			61,80	73,29
RLP-450-05, 450 nm, <5 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery			63,90	75,78
RLP-450-10, 450 nm, <10 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery			81,50	96,66
RLP-450-50, 450 nm, 50 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery			106,30	126,07


ROITHNER 450   450 nm		Status	EUR / pc	USD / pc
	- direct emitting blue laser diode - Automatic Power Control (APC) - transport case & batteries included - metal housing, chrome polished <b>450 nm</b>			
ROITHNER 450, 450 nm, <5 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery			56,95	67,54

## LASER POINTERS - GREEN




RLP-520 Series   520 nm		Status	EUR / pc	USD / pc
	<b>Green diode laser pointer</b> - Automatic Power Control (APC) - Control LED - Safety Keylock - transport case & batteries included - metal housing, chrome polished			
RLP-520-01E, 520 nm, <1 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery, no safety key switch			41,90	49,69


RLP-520 Series with Safety Keylock   520 nm		Status	EUR / pc	USD / pc
	<b>Green diode laser pointer</b> - Automatic Power Control (APC) - Control LED - Safety Keylock - transport case & batteries included - metal housing, chrome polished			
RLP-520-01, 520 nm, <1 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery			50,80	60,25
RLP-520-05, 520 nm, <5 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery			50,80	60,25
RLP-520-10, 520 nm, <10 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery			84,90	100,69
RLP-520-20, 520 nm, <20 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery			89,90	106,62
ROITHNER 520   520 nm		Status	EUR / pc	USD / pc
	<b>Green diode laser pointer:</b> - Automatic Power Control (APC) - transport case & batteries included - metal housing, chrome polished  <b>520 nm</b>			
ROITHNER 520, 520 nm, <5 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery			69,90	82,90
GDP-520   520 nm   QCW		Status	EUR / pc	USD / pc
	<b>Green diode laser pointer</b> - low operating current - qcw, short focus (1 m) - alkaline batteries included			
GDP-520-5, 520 nm, 5 mW, qcw, ON-LED, 80 g, 13x160 mm, 2x 1.5V AAA battery		EOL	88,00	104,36
RLP-532 Series with Safety Keylock   532 nm   DPSS		Status	EUR / pc	USD / pc
	<b>Green DPSS laser pointer</b> - IR filter - Automatic Power Control (APC) - Control LED - Safety Keylock - transport case & batteries included - metal housing, chrome polished			
RLP-532-01, 532 nm, <1 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery			40,90	48,51
RLP-532-05, 532 nm, <5 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery			40,90	48,51
RLP-532-10, 532 nm, <10 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery			51,50	61,08
RLP-532-20, 532 nm, <20 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery			61,90	73,41
RLP-532-50, 532 nm, 50 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery			143,80	170,54
RLP-532-100, 532 nm, 100 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery			368,00	436,43
ROITHNER 532   532 nm   DPSS		Status	EUR / pc	USD / pc
	<b>Green DPSS laser pointer:</b> - IR filter - Automatic Power Control (APC) - transport case & batteries included - metal housing, chrome polished  <b>532 nm</b>			
ROITHNER 532, 532 nm, <5 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery			29,90	35,46
GPL-105   532 nm   DPSS		Status	EUR / pc	USD / pc
	<b>GPL series: 532nm cw laser pointer, polished metal body with clip, excellent beam quality, black metal transport case and batteries included</b>  <b>532 nm</b>			
GPL-105, 532 nm, <5 mW, cw, 13 x 150 mm, 71 g, 2x 1.5V AAA battery			33,00	39,14
GLP532-REMOTE   532 nm   DPSS		Status	EUR / pc	USD / pc
	<b>Laser pointer with integrated remote presenter</b> fine finished brass casing with LED indicator, scroll buttons and clip, transport case and 2.4 GHz USB receiver  <b>532 nm</b>			
GLP532-REMOTE, 532 nm, <5 mW, cw, remote, 2 x AAA, size 14.5 x 152 mm			68,00	80,65


S200-5R   532 nm   DPSS	Status	EUR / pc	USD / pc
 <p><b>S200 green laser pointer:</b> 532nm, silvergrey metal body with clip, excellent beam quality, batteries included</p> <p>532 nm</p>			
S200-5R, 532 nm, <5 mW, cw, 13 x 155 mm, 81 g, metal housing, 2x 1.5V AAA battery	<b>EOL</b>	19,90	23,60


## LASER POINTERS - YELLOW ↑


RLP-593 Series with Safety Keylock   593 nm	Status	EUR / pc	USD / pc
 <p><b>Yellow DPSS laser pointer</b></p> <ul style="list-style-type: none"> <li>- Automatic Power Control (APC)</li> <li>- Control LED</li> <li>- Safety Keylock</li> <li>- transport case &amp; batteries included</li> <li>- metal housing, chrome polished</li> </ul>			
RLP-593-01, 593 nm, <1 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery	<b>NEW</b>	70,65	83,79
RLP-593-05, 593 nm, <5 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery	<b>NEW</b>	72,40	85,86


## LASER POINTERS - RED ↑


RLP-635 Series   635 nm	Status	EUR / pc	USD / pc
 <p><b>Red diode laser pointer</b></p> <ul style="list-style-type: none"> <li>- Automatic Power Control (APC)</li> <li>- Control LED</li> <li>- transport case &amp; batteries included</li> <li>- metal housing, chrome polished</li> </ul> <p>635 nm</p>			
RLP-635-01E, 635 nm, <1 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery, no safety key switch		18,70	22,18


RLP-635 Series with Safety Keylock   635 nm	Status	EUR / pc	USD / pc
 <p><b>Red diode laser pointer</b></p> <ul style="list-style-type: none"> <li>- Automatic Power Control (APC)</li> <li>- Control LED</li> <li>- Safety Keylock</li> <li>- transport case &amp; batteries included</li> <li>- metal housing, chrome polished</li> </ul>			
RLP-635-01, 635 nm, <1 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery		26,40	31,31
RLP-635-05, 635 nm, <5 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery		26,40	31,31
RLP-635-10, 635 nm, <10 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery		43,70	51,83
RLP-635-20, 635 nm, <20 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery		78,80	93,45

ROITHNER 635   635 nm	Status	EUR / pc	USD / pc
 <p><b>Red diode laser pointer:</b></p> <ul style="list-style-type: none"> <li>- Automatic Power Control (APC)</li> <li>- transport case &amp; batteries included</li> <li>- metal housing, chrome polished</li> </ul> <p>635 nm</p>			
ROITHNER 635, 635 nm, <5 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery		21,90	25,97


LS-11   645 nm	Status	EUR / pc	USD / pc
 <p>red laser pointer, low cost, cw-operation, black metal body with clip, transport case and batteries included</p> <p><b>645 nm</b></p>			
LS-11, 645 nm, 3.5 mW, 11 x 135 mm, 48 g, 2x 1.5V AAA battery		16,96	20,11

RLP-650 Series   655 nm	Status	EUR / pc	USD / pc
 <p><b>Red diode laser pointer</b></p> <ul style="list-style-type: none"> <li>- Automatic Power Control (APC)</li> <li>- Control LED</li> <li>- transport case &amp; batteries included</li> <li>- metal housing, chrome polished</li> </ul> <p><b>655 nm</b></p>			
RLP-650-01E, 655 nm, <1 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery, no safety key switch		17,80	21,11


RLP-650 Series with Safety Keylock   635 nm	Status	EUR / pc	USD / pc
 <p><b>Red diode laser pointer</b></p> <ul style="list-style-type: none"> <li>- Automatic Power Control (APC)</li> <li>- Control LED</li> <li>- Safety Keylock</li> <li>- transport case &amp; batteries included</li> <li>- metal housing, chrome polished</li> </ul>			
RLP-650-01, 655 nm, <1 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery		25,30	30,00
RLP-650-05, 655 nm, <5 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery		25,30	30,00
RLP-650-10, 655 nm, <10 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery		43,70	51,83
RLP-650-30, 655 nm, <30 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery		78,80	93,45




ROITHNER 650   655 nm	Status	EUR / pc	USD / pc
 <p><b>Red diode laser pointer:</b></p> <ul style="list-style-type: none"> <li>- Automatic Power Control (APC)</li> <li>- transport case &amp; batteries included</li> <li>- metal housing, chrome polished</li> </ul> <p><b>655 nm</b></p>			
ROITHNER 650, 655 nm, <5 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery		19,90	23,60

## LASER POINTERS - GREEN+RED ↑


GRP532-655   532+655 nm	Status	EUR / pc	USD / pc
 <p><b>GRP532-655 green-red laser pointer 532 nm and 650 nm, cw mode, metal housing, 2 push buttons: laser green, laser red, laser red + green, high quality mechanical design, excellent beam quality</b></p> <p><b>532, 655 nm</b></p>			
GRP532-655, 532 nm, and 650 nm, <5 mW, cw, 2 x AAA, size 13.5 x 157 mm		55,00	65,23


## LASER POINTERS - INFRARED ↑


RLP-780 Series with Safety Keylock   780 nm	Status	EUR / pc	USD / pc
 <p><b>IR diode laser pointer</b></p> <ul style="list-style-type: none"> <li>- Automatic Power Control (APC)</li> <li>- Control LED</li> <li>- Safety Keylock</li> <li>- transport case &amp; batteries included</li> <li>- metal housing, chrome polished</li> </ul>			
RLP-780-10, 780 nm, 10 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery		53,75	63,75
RLP-780-50, 780 nm, 50 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery		64,50	76,49

GLP-III-808C Series   808 nm		Status	EUR / pc	USD / pc
	<b>IR diode portable laser</b> - Li-Ion rechargeable battery - Control LED - Safety Key Switch - Mechanical Shutter <b>808 nm</b>			
GLP-III-808C-1W, 808 nm, 1 W, 38x220 mm, 1 x 18650 Li-Ion battery			545,00	646,35
GLP-III-808C-1W5, 808 nm, 1.5 W, 38x220 mm, 1 x 18650 Li-Ion battery			681,00	807,64
GLP-III-808C-2W, 808 nm, 2 W, 38x220 mm, 1 x 18650 Li-Ion battery			838,00	993,83
RLP-808 Series with Safety Keylock   808 nm		Status	EUR / pc	USD / pc
	<b>IR diode laser pointer</b> - Automatic Power Control (APC) - Control LED - Safety Keylock - transport case & batteries included - metal housing, chrome polished <b>808 nm</b>			
RLP-808-10, 808 nm, 10 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery			36,25	42,99
RLP-808-100, 808 nm, 100 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery			49,50	58,70
RLP-808-200, 808 nm, 200 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery			67,50	80,05
SHP808 Series   808 nm		Status	EUR / pc	USD / pc
	<b>IR laser pointer, 808 nm, cw-operation, polished metal body with clip, status LED, alkaline batteries and transport case included</b> <b>808 nm</b>			
SHP808-100, 808 nm, <100 mW, 13 x 130 mm, 60 g, 2x 1.5V AAA battery			54,00	64,04
SHP808-200, 808 nm, <200 mW, 13 x 130 mm, 60 g, 2x 1.5V AAA battery			64,00	75,90
PIL-808 Series   808 nm		Status	EUR / pc	USD / pc
	<b>infrared laser pointer, 808 nm, cw-operation, black metal body with clip, status LED, security key lock system available</b> <b>808 nm</b>			
PIL-808-100, 808 nm, 100 mW, 14 x 167 mm, 85 g, 2x 1.5V AAA battery		EOL	98,00	116,22
PIL-808-200, 808 nm, 200 mW, 14 x 167 mm, 85 g, 2x 1.5V AAA battery		EOL	116,00	137,57
RLP-830 Series with Safety Keylock   830 nm		Status	EUR / pc	USD / pc
	<b>IR diode laser pointer</b> - Automatic Power Control (APC) - Control LED - Safety Keylock - transport case & batteries included - metal housing, chrome polished <b>830 nm</b>			
RLP-830-10, 830 nm, 10 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery			53,75	63,75
RLP-830-20, 830 nm, 20 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery			59,90	71,04
RLP-850 Series with Safety Keylock   850 nm		Status	EUR / pc	USD / pc
	<b>IR diode laser pointer</b> - Automatic Power Control (APC) - Control LED - Safety Keylock - transport case & batteries included - metal housing, chrome polished <b>850 nm</b>			
RLP-850-10, 850 nm, 10 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery			58,75	69,68
RLP-850-30, 850 nm, 30 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery			68,30	81,00
LP-850   850 nm		Status	EUR / pc	USD / pc
	<b>IR laser pointer, cw-operation, body with clip, status LED, alkaline batteries and transport case included</b> <b>850 nm</b>			
LP-850-3, 850 nm, 3 mW, 11 x 137 mm, 55 g, 2x 1.5V AAA battery			42,00	49,81


GLP-III-980C Series   980 nm		Status	EUR / pc	USD / pc
	<b>IR diode portable laser</b> - Li-Ion rechargeable battery - Control LED - Safety Key Switch - Mechanical Shutter <b>980 nm</b>			
GLP-III-980C-1W, 980 nm, 1 W, 38x220 mm, 1 x 18650 Li-Ion battery			545,00	646,35
GLP-III-980C-1W5, 980 nm, 1.5 W, 38x220 mm, 1 x 18650 Li-Ion battery			681,00	807,64
GLP-III-980C-2W, 980 nm, 2 W, 38x220 mm, 1 x 18650 Li-Ion battery			838,00	993,83
RLP-980 Series with Safety Keylock   980 nm		Status	EUR / pc	USD / pc
	<b>IR diode laser pointer</b> - Automatic Power Control (APC) - Control LED - Safety Keylock - transport case & batteries included - metal housing, chrome polished <b>980 nm</b>			
RLP-980C-10, 980 nm, 10 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery			38,75	45,96
RLP-980C-20, 980 nm, 20 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery			43,90	52,06
RLP-980F-20, 980 nm, 20 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery, focused @ 15-20 mm			43,90	52,06
RLP-980C-50, 980 nm, 50 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery			52,50	62,26
RLP-980F-50, 980 nm, 50 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery, focused @ 15-20 mm			52,50	62,26
RLP-980C-100, 980 nm, 100 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery			58,50	69,38
RLP-980F-100, 980 nm, 100 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery, focused @ 15-20 mm			58,50	69,38
RLP-980C-200, 980 nm, 200 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery			127,50	151,21
RLP-980C-300, 980 nm, 300 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery			136,90	162,36
SHP980 Series   980 nm		Status	EUR / pc	USD / pc
	<b>IR laser pointer, 980 nm, cw-operation, polished metal body with clip, status LED, alkaline batteries and transport case included</b> <b>980 nm</b>			
SHP980C-25, 980 nm, 25 mW, 13 x 130 mm, 60 g, 2x 1.5V AAA battery			42,00	49,81
SHP980F-25, 980 nm, 25 mW, 13 x 130 mm, focused @ 2 cm			48,00	56,93
PIL-980 Series   980 nm		Status	EUR / pc	USD / pc
	<b>infrared laser pointer, 980 nm, cw-operation, black metal body with clip, status LED, security key lock system available</b> <b>980 nm</b>			
PIL-980-10, 980 nm, 10 mW, 14 x 167 mm, 85 g, 2x 1.5V AAA battery			143,00	169,59
PIL-980-20, 980 nm, 20 mW, 14 x 167 mm, 85 g, 2x 1.5V AAA battery			244,10	289,49
PIL-980-50, 980 nm, 50 mW, 14 x 167 mm, 85 g, 2x 1.5V AAA battery			252,70	299,69
PIL-980-100, 980 nm, 100 mW, 14 x 167 mm, 85 g, 2x 1.5V AAA battery			263,20	312,14
PIL-980-300, 980 nm, 300 mW, 14 x 167 mm, 85 g, 2x 1.5V AAA battery			284,90	337,88
PIL-980-400, 980 nm, 400 mW, 14 x 167 mm, 85 g, 2x 1.5V AAA battery			379,80	450,43
PIL-1064 Series   1064 nm		Status	EUR / pc	USD / pc
	<b>infrared laser pointer @ 1064 nm, cw-operation, black metal body with clip, status LED, security key lock system available</b> <b>1064 nm</b>			
PIL-1064-5, 1064 nm, 5 mW, DPSS, 14 x 167 mm, 85 g, 2x 1.5V AAA battery			209,00	247,87
PIL-1064-10, 1064 nm, 10 mW, DPSS, 14 x 167 mm, 85 g, 2x 1.5V AAA battery			209,00	247,87
PIL-1064-20, 1064 nm, 20 mW, DPSS, 14 x 167 mm, 85 g, 2x 1.5V AAA battery			209,00	247,87
PIL-1064-50, 1064 nm, 50 mW, DPSS, 14 x 167 mm, 85 g, 2x 1.5V AAA battery			230,00	272,77
PIL-1064-100, 1064 nm, 100 mW, DPSS, 14 x 167 mm, 85 g, 2x 1.5V AAA battery			243,00	288,19


RLP-1310 Series with Safety Keylock   1310 nm		Status	EUR / pc	USD / pc
	<b>IR diode laser pointer</b> - Automatic Power Control (APC) - Control LED - Safety Keylock - transport case & batteries included - metal housing, chrome polished			
RLP-1310-05, 1310 nm, 5 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery			114,30	135,56
RLP-1310-10, 1310 nm, 10 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery			126,70	150,26

RLP-1550 Series with Safety Keylock   1550 nm		Status	EUR / pc	USD / pc
	<b>IR diode laser pointer</b> - Automatic Power Control (APC) - Control LED - Safety Keylock - transport case & batteries included - metal housing, chrome polished			
RLP-1550-05, 1550 nm, 5 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery			114,30	135,56
RLP-1550-10, 1550 nm, 10 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery			126,70	150,26


OEM-1550 Series   1550 nm		Status	EUR / pc	USD / pc
	customized infrared laser pointers  several wavelengths available, cw-operation batteries included			
OEM-1550-05, 1550 nm, 5 mW, 25 x 15 x 115 mm, 50 g, 2x 1.5V AAA battery			285,00	338,00
OEM-1550-10, 1550 nm, 10 mW, 25 x 15 x 115 mm, 50 g, 2x 1.5V AAA battery			310,00	367,65


## FLASHLIGHTS - UV ↑




Low Cost UV Checkers		Status	EUR / pc	USD / pc
	reliable and handheld light sources with UV-LEDs  available wavelengths 350 nm .. 405 nm			
<b>RLT-283U</b>				
RLT-284U, 380 nm, 1.5-2.0 mW, slotted case head, eye safe, 3 x LR43		EOL	10,39	12,32
RLT-287U, 380 nm, 1.5-2.0 mW, ball point pen design, 4 x AG3 (not included)		EOL	4,99	5,92
RLT-CHECKER-385, 385 nm, 2.0-4.0 mW, 30°, 4 x AG3 (not included)			3,33	3,95
AL-513UV-A, 395 nm, 5..6 mW, necklace, 11.6 x 3.1 mm, 3 x LR1130 (not included)			5,10	6,05

UVCHECK-380		Status	EUR / pc	USD / pc
	<b>UV High power flashlight series</b> - 380nm - 1 x 18650 Li-Ion rechargeable battery (included) - Charger included  For checking of security markers in bank notes, credit cards, etc.			
UVCHECK-3803W, UV-LED flashlight, 380 nm, 134x31 mm, 133 g			36,00	42,69

## FLASHLIGHTS - WHITE ↑

TK01		Status	EUR / pc	USD / pc
	<b>LUMILEDS LED</b> military grade  <b>35 lm</b>			
TK01-1CR123-2AA-1W, white, 35 lm, 160 x 28 mm, CR123 or 2 x AA batteries			36,50	43,29
TK01-2CR123-3W, white, 65 lm, 130 x 35 mm, 2 x CR123 batteries			39,90	47,32

RLT-P2-Zoom		Status	EUR / pc	USD / pc
	<b>Small size</b> rapid zoom focusing, changeable from long distance spot to broad room illumination, wrist strap and belt bag included  <b>90 lm</b>			
RLT-P2-ZOOM, white, 90 lm, 109 x 29 mm, 78 g, 1 x AA alkaline batteries			16,80	19,92

RLT-P4-Zoom		Status	EUR / pc	USD / pc
	Rapid zoom focusing, changeable from long distance spot to broad room illumination wrist strap and belt bag included <b>80 lm</b>			
RLT-P4-ZOOM, white, 80 lm, 113 x 35 mm, 135 g, 3 x AAA alkaline batteries			21,90	25,97
RLT-P6-Zoom		Status	EUR / pc	USD / pc
	Rapid zoom focusing, <b>exceptional brightness</b> , anodized aluminium body <b>500 - 750 lm</b>			
RLT-P6-ZOOM-XPG, white, 500 lm, 199 x 42 mm, 445 g, 3 x "C" type alkaline batteries			EOL	92,00
RLT-P6-ZOOM-XML, white, 750 lm, 199 x 42 mm, 445 g, 3 x "C" type alkaline batteries			EOL	123,00
145,87				
TH06 Headlight		Status	EUR / pc	USD / pc
	<b>TH06-1W</b> superbright white LED headlight with LUMILEDS 1W LED, 2 x AA battery, aluminium and high quality plastic compound design, recommended for professional use			
TH06-1W, white, max. 35 lumen, 1 W, LED, 2 x AA alkaline batteries			14,90	17,67

\*PRICES: per piece, without VAT, duty unpaid, price change and printing mistake reserved!

\*EOL = End of Life, not recommended for new projects

\*MOQ = Minimum Order Quantity



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