



RLTMIL-1342 / 1~1000mW

LD PUMPED ALL-SOLID-STATE INFRARED LASER AT 1342nm

All solid state infrared laser is made features of ultra compact, long lifetime, low cost and easy operating, which is used in scientific experiment, measurement, optical instrument, optical sensor, communication, spectrum analysis, etc.



SPECIFICATIONS



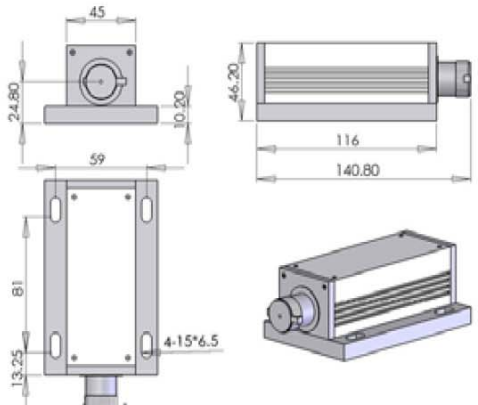
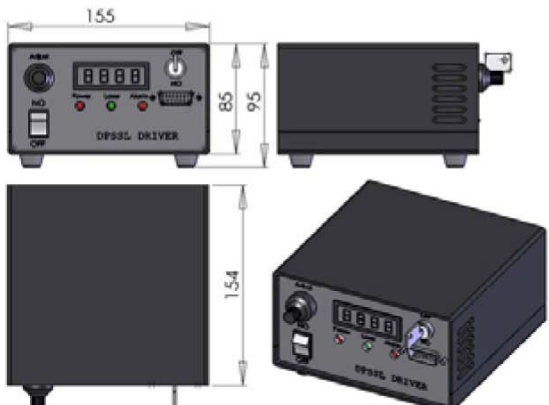
Wavelength (nm)	1342 ± 1		
Output power (mW)	>1, 5, 10, 20, ... , 1000		
Laser crystal	Nd:YVO ₄		
Transverse mode	TEM ₀₀		
Operating mode	CW		
Power stability (rms, over 4 hours)	<1%, <3%, <5%		
Warm-up time (minutes)	<10		
M ² factor	<1.2		
Beam divergence, full angle (mrad)	<1.5		
Beam diameter at the aperture (mm)	~2.0		
Beam height from base plate (mm)	24.8		
Polarization ratio	>100:1		
Pointing stability after warm-up (mrad)	<0.05		
Operating temperature (°C)	10~35		
Power supply (90-264VAC or 5VDC)	PSU-LED	PSU-FDA	PSU-OEM
TTL / Analog modulation	Optional, 2kHz or higher (on request, up to 30kHz)		
Expected lifetime (hours)	10000		


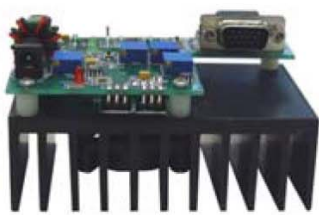


ROITHNER LASERTECHNIK

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MxL-1342	PSU-LED
 <p data-bbox="279 728 678 761">140. 8(L)×73(W) ×46. 2(H) mm³, 0.6kg</p>	 <p data-bbox="909 728 1292 761">154 (L) ×155(W) ×95 (H) mm³, 1.5kg</p>
	

PSU-FDA	PSU-OEM
 <p data-bbox="279 1624 646 1657">133 (L) ×130(W) ×65 (H) mm³, 1.2kg</p>	 <p data-bbox="917 1624 1276 1657">100 (L) ×60(W) ×56 (H) mm³, 0.2kg</p>
