RLDH808M-120-5

- Infrared Diode Laser Module
- 808 nm, 120 mW
- TTL Modulation, <5 kHz
- Focus Adjustable
- Dimension: Ø22 x 65 mm

Description



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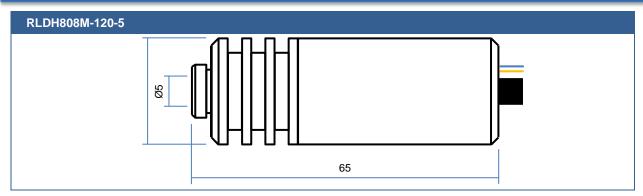
RLDH808M series of Diode Laser Modules has been designed with emphasis on *superior beam quality*, and *reliable operation*. The modules body is made of black anodized aluminum, enclosing laser diode, lens, and driving electronics. RLH808M series features a *focusable glass lens optic* with a locking mechanism. The *incorporated 5 VDC driver* circuit additional supports **TTL modulation up to 5 kHz**.

Specifications

Parameter	Min.	Values Typ.	Max.	Unit
Peak Wavelength		808		nm
Optical Output Power		120		mW
Laser Class		3B		
Operating Voltage		DC 5		V
Operating Current			400	mA
Modulation, TTL			5	kHz
Control		APC		
Standard Operating Distance		10		m
Focus	Adjustable			
Beam Character	Elliptical			
Elliptic Proportion		> 1:2.5		
Output Aperture		Ø5		mm
Divergence		1.0		mrad
Optic	Glass lens, both sides AR coated			
Operating Temperature	-10		+40	°C
Storage Temperature	-40		+80	°C
Life Time	8000			hours
Material	black anodized aluminum			
Electrical Connection	connector plug and wires			
Dimension (Dia. x W)	Ø22 x 65			mm
Weight		60		g

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Outline Dimensions



All Dimensions in mm

Electrical Connection



Precautions

Mounting Instruction:

In order to maintain lifetime and stability of the laser diode it is essential to provide efficient heat management. For long time stable operation proper contact between laser module and heat sink is mandatory.

Safety Advice:

This laser module emits highly concentrated visible light which can be hazardous to the human eye and skin. It is classified as CLASS 3B laser product according to IEC 60825-1 and 21 CFR Part 1040.10 Safety Standards. Actual laser light emitted and precautions necessary strongly depend on mode of operation.

The above specifications are for reference purpose only and subjected to change without prior notice

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