



Specifications

Platform			
Model	1-532	3-532	5-532
Optical			
Output Power (mW)	<1	1.2 > 4.99	<5
Wavelength (nm)	532		
Mode	TEM ₀₀		
Class	IIIa	IIIa	IIIa
Lens	Plastic		
Focus	Fixed		
Operation Mode	CW		
M ²	<2		
Linear Polarization	4:1		
Beam Diameter, 1/e ² (mm)	<1		
Line Width (nm)	<0.1		
Beam Divergence (mrad)	<1.4		
Output Power Stability for 3 hr	<±20% @25 ± 3°C*		
Electrical/Mechanical			
Operating Voltage (VDC)	3		
Operating Current (A)	<0.40		
Circuit Design	ACC		
Lead Length (mm)	150		
Housing Material	Anodized Al		
Head Dimensions (mm)	Dia 12 x Len 35		
Driver Circuit Dimensions (mm)	11.5 x 13		
MTTF (hrs)	>5,000**		
Environmental			
Storage Temperature (°C)	10-50		
Operating Temperature (°C)	22-28		

* Additional heat sink or cooling fan is needed to stabilize the output power of this laser diode module.

** MTTF (mean time to failure) is based on the MTTF rating of high power 808nm diode laser from the laser diode manufacturer.

Important - Caution

Any final product or system of which this laser diode module forms a component part must incorporate the appropriate safety features, including emission indicator, beam attenuator (shutter), key switch, and warning label in order to fully comply with the safety regulations for laser units and laser systems specified by the regulatory/standards organizations such as FDA, BS, and ISO.

It is the responsibility of the designer/manufacturer of the final product or system into which the laser diode module is incorporated to ensure that it is compliant with the applicable regulations and where necessary to register/certify the final product with the regulatory/certifying authorities before its release for use or sale.

NOTE: This information is subject to change without notice and is presented only as a guide for the application of this product. No liability can be assumed for loss or damage, however caused, from the information of this note.