



## Specifications

Platform	742		
Model	1-532	3-532	5-532
<b>Optical</b>			
Output Power (mW)	0.5-0.99	1.5-3.0	3-5
Wavelength (nm)	532		
Mode	TEM <sub>00</sub>		
Class	IIIa		
Lens	Plastic		
Focus	Fixed		
Operation Mode	CW		
M <sup>2</sup>	<2		
Linear Polarization	Standard ≥ 4:1		
Spectral Line width (nm)	<0.1		
Beam Diameter, 1/e <sup>2</sup> (mm)	<1		
Beam Divergence (mrad)	<1.4		
Output Power Stability for 1 hr	<±5% (typical 1%)		
<b>Electrical/Mechanical</b>			
Operating Voltage (VDC)	3.3-5		
Operating Current (A)	<0.40		
Circuit Design	APC		
Lead Length (mm)	150		
Housing Material	Anodized Al		
Length (mm)	60		
Diameter (mm)	20		
MTTF (hrs)*	>5,000		
<b>Environmental</b>			
Operating Temperature (°C)	10-50		
Operating Temperature (°C)	20-30		

\* 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.