



Specifications

Platform	150- -				
Model	3-650	7-650	1-635	3-635	7-635
Optical					
Optical Power Output (mW)	2.3-3.5	5.0-7.0	0.7-0.99	2.5-3.5	5.0-7.0
Wavelength (nm)	650	650	635	635	635
Class	IIIa	IIIb	II	IIIa	IIIb
Lens	Three element glass collimating lens with AR coating				
Focus	Adjustable				
Focus Range (mm)	60 - Inf.				
Beam Shape	Ellipse				
Beam Size at 7m (mm)	5 x 8				
Emission Indicator	Green LED in rear				
Electrical/Mechanical					
Operating Voltage (VDC)	4.5-9, 5 recommended				
Operating Current (mA)	30	50	40	40	70
Drive Circuit	Regulated APC with soft-start protection.				
Lead Length (mm)	90				
Electrical Connections	Red lead + ; Black lead -				
Housing Material	Anodized Aluminum				
Weight (gm)	35				
Length (mm)	51				
Diameter (mm)	12.7				
Environmental					
Operating Temperature (°C)	-10 to +50				
Storage Temperature (°C)	-20 to +65				
M.T.T.F. (hrs)	> 10,000	> 3,000-5,000	> 10,000	> 10,000	> 3,000-5,000

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.

The Class II (2), Class IIIa (3a), and Class IIIb (3b) models of this laser diode module are fully compliant with 21 CFR part 1040.10 provided that a readily accessible on/off switch is permanently connected in series with the electrical DC supply to the module.

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.

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