

1mW 520nm Compact LDM Laser Diode Module



Stock **#72-817** 1 In Stock

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1

+

₹19,800

Price inclusive of all taxes

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Qty 1+	₹19,800 each
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General

Type:

Index Guided Diode, CW

Mean Time To Failures MTTF @ 25° (hours):

≥40,000

Drive Circuitry:

Fully shielded, reverse polarity protected

Note:

Includes: Users Manual, Warning Label, and Focus Key

Type of Laser:

Diode	
Laser Class - CDRH:	
II	
Physical & Mechanical Properties	
Weight (g):	
22.00	
Pointing Accuracy (mrad):	
<25	
Length of Leads (mm):	
215	
Length (mm):	
49.00	
Optical Properties	
Wavelength (nm):	
520.00	
Wavelength Tolerance (nm):	
±15nm	
Wavelength Stability (nm/°C):	
0.25	
Beam Size at Nearest Focus (µm):	
<50	
Beam Diameter (mm):	
5 at Aperture	
Beam Divergence (mrad):	
<0.5	
Color:	
Green	
Focus Range (mm):	
150mm -∞	
Electrical	
Operating Current (mA):	
<60	
Output Power (mW):	
1 (Maximum)	
Output Power Tolerance (%):	
±5	
Hardware & Interface Connectivity	
Power Supply:	
+10Vdc power supply required	
Power Requirement:	
10 VDC	
Electrical Leads/ Pin Connections:	
red (+), black (-)	
Output Type:	
Free Space	
Environmental & Durability Factors	
Operating Temperature (°C):	
-10 to +55	
Storage Temperature (°C):	
-10 to +85	
Regulatory Compliance	
RoHS 2015:	
Compliant	
Certificate of Conformance:	
View	
Reach 240:	
Compliant	
Country of Origin:	
United Kingdom	
Imported By:	
Edmund Optics India Private Limited	

Product Details

- Circular and Elliptical Beam Options
- Bare Leads for Instrument Integration
- Focusable from 20mm to Infinity

Compact LDMFocusable Laser Diode Modules are self-contained and compact and offer a variety of features. They are an ideal replacement for a helium-neon laser in many applications and offer the benefits of superior durability,

small size, and a range of wavelengths and powers. Elliptical output beams are produced using a user-adjustable glass focusing lens. Circular output beams are produced using a long focal length plastic lens and are suitable for long-distance and alignment applications. Compact LDM Focusable Laser Diode Modules applications include use as pilot beams for alignment, bar code readers, measurement, dimensional scanning, robotic control, target designation, positioning, and analysis. There is a focusing tool included with all diode modules. Line Generator attachments are available and sold separately for all diode modules listed. [Power Supply](#) is required for operation and is sold separately.

Note: The laser diode case is electrically isolated from the supply voltage.

Technical Information

