

5mW 515nm Micro LDM Laser Diode Module



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1

+

£190^{.00}

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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

Diode	Type of Laser:
IIIa	Laser Class - CDRH:
Physical & Mechanical Properties	
3	Weight (g):
<25	Pointing Accuracy (mrad):
220	Length of Leads (mm):
27.40	Length (mm):
Optical Properties	
515.00	Wavelength (nm):
±10nm	Wavelength Tolerance (nm):
0.25	Wavelength Stability (nm/°C):
<40	Beam Size at Nearest Focus (µm):
3 x 1 at Aperture	Beam Diameter (mm):
<0.5	Beam Divergence (mrad):
Green	Color:
50mm - ∞	Focus Range (mm):
Electrical	
<60	Operating Current (mA):
5	Output Power (mW):
±5 at 25°C	Output Power Tolerance (%):
Hardware & Interface Connectivity	
+10Vdc power supply required	Power Supply:
10 VDC	Power Requirement:
red (+), black (-)	Electrical Leads/ Pin Connections:
Free Space	Output Type:
Environmental & Durability Factors	
-10 to +45	Operating Temperature (°C):
-10 to +85	Storage Temperature (°C):
Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 240:

Product Details

- 7mm Housing Diameter
- Focusable
- Low Voltage DC Operation
- Reverse Polarity Protection

Micro LDMLaser Diode Modules feature an extremely compact design that includes automatic power control circuits and focusable optics. The rugged body is low voltage isolated from the drive electronics, removing the need for negative or floating supplies. It has a highly visible red laser output that can be seen in most daylight conditions. Micro LDMLaser Diode Modules’ additional features include aspheric lens, elliptical beam, small output beam diameter, and focused spot size. Meet IEC60825 certification, in accordance with CDRH. Applications include alignment/positioning, bar code readers, dimensional scanning, metrology, event detection, robot control, target designation, edge detection, analysis, and security.

