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5.0mW 633nm, LDM Focusable Laser Diode



Stock **#53-756** **2 In Stock**

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1

+

£190^{.00}

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Volume Pricing	
Qty 1+	£190.00 each
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Note: This item requires accessories for use | [Learn More](#)

Product Downloads



General

Type:
Index Guided Diode, CW

Mean Time To Failures MTTF @ 25° (hours):
≥30,000

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	
22.00	Weight (g):
≤20	Pointing Accuracy (mrad):
215	Length of Leads (mm):
34.00	Length (mm):
Optical Properties	
635.00	Wavelength (nm):
±8	Wavelength Tolerance (nm):
0.25	Wavelength Stability (nm°C):
<0.525	Beam Size at Nearest Focus (µm):
4 x 2 at Aperture	Beam Diameter (mm):
<0.5	Beam Divergence (mrad):
Red	Color:
35mm - ∞	Focus Range (mm):
Electrical	
4.5 (Maximum)	Output Power (mW):
±5	Output Power Tolerance (%):
Hardware & Interface Connectivity	
Power Supply Required and Sold Separately. USA: #59-099 Europe: Not Available Japan: #59-099 Korea: Not Available China: #59-099	Power Supply:
3.5 - 5 VDC	Power Requirement:
red (+), black (-)	Electrical Leads/ Pin Connections:
Free Space	Output Type:
Environmental & Durability Factors	
-10 to +45	Operating Temperature (°C):
-40 to +85	Storage Temperature (°C):
Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 240:

Product Details

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

Compact LDMFocusable Laser Diode Mdules 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

