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5.0mW 670nm, LDM Focusable Laser Diode



Stock #52-094 **1 In Stock**

- 1 + €221⁰⁰

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Volume Pricing

Qty 1-9	€221,00 each
Qty 10+	€210,00 each
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i Prices shown are exclusive of VAT/local taxes

Note: This item requires accessories for use | [Learn More](#)

Product Downloads



General

Index Guided Diode, CW

Type:

Mean Time To Failures MTTF@25° (hours):
≥120,00

Drive Circuitry:

Fully shielded, reverse polarity protected

Note:
Includes: Users Manual, Warning Label, and Focus Key

Type of Laser:
Diode

Laser Class - CDRH:
IIIa

Physical & Mechanical Properties

Weight (g):
22.00

Pointing Accuracy (mrad):
≤20

Length of Leads (mm):
215

Length (mm):
34.00

Optical Properties

Wavelength (nm):
670.00

Wavelength Tolerance (nm):
±10

Wavelength Stability (nm/°C):
0.25

Beam Size at Nearest Focus (μm):
<0.525

Beam Diameter (mm):
4 x 2 at Aperture

Beam Divergence (mrad):
<0.5

Color:
Red

Focus Range (mm):
35mm - ∞

Electrical

Output Power (mW):
4.5 (Maximum)

Output Power Tolerance (%):
±5

Hardware & Interface Connectivity

Power Supply:
Power Supply Required and Sold Separately:
USA: [#59-099](#)
Europe: Not Available
Japan: [#59-099](#)
Korea: Not Available
China: [#59-099](#)

Power Requirement:
3.5 - 5 VDC

Electrical Leads/ Pin Connections:
red (+), black (-)

Output Type:
Free Space

Environmental & Durability Factors

Operating Temperature (°C):
-10 to +55

Storage Temperature (°C):
-40 to +85

Regulatory Compliance

RoHS 2015:
[Compliant](#)

Certificate of Conformance:
[View](#)

Reach 240:
[Compliant](#)

Product Details

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

Compact LDM Focusable 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

