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## 0.9mW 633nm, LDM Focusable Laser Diode



Stock #53-228 [CONTACT US](#)

- 1 + ₹15,750

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### Volume Pricing

Qty 1+	₹15,750 each
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**Note:** This item requires accessories for use | [Learn More](#)

### Product Downloads



### General

Index Guided Diode, CW **Type:**

**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:  
II  
Laser Class - CDRH:

## Physical & Mechanical Properties

22.00  
Weight (g):  
≤10  
Pointing Accuracy (mrad):  
215.00  
Length of Leads (mm):  
34.00  
Length (mm):

## Optical Properties

635.00  
Wavelength (nm):  
±5  
Wavelength Tolerance (nm):  
0.25  
Wavelength Stability (nm/°C):  
<0.550  
Beam Size at Nearest Focus (μm):  
5.00 at Aperture  
Beam Diameter (mm):  
<0.5  
Beam Divergence (mrad):  
Red  
Color:  
150mm - ∞  
Focus Range (mm):

## Electrical

<0.530  
Operating Current (mA):  
0.9 (Maximum)  
Output Power (mW):  
±5  
Output Power Tolerance (%):

## Hardware & Interface Connectivity

Power Supply:  
Power Supply Required and Sold Separately:  
USA: [#59-099](#)  
Europe: Not Available  
Japan: [#59-099](#)  
Korea: [#33-771](#)  
China: [#59-099](#)  
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:  
United Kingdom  
Country of Origin:  
Edmund Optics India Private Limited  
Imported By:

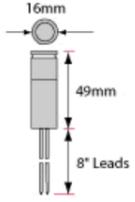
## Product Details

- 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



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