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## 0.9mW 655nm, Micro LDM Laser Diode



Stock #57-100 **10 In Stock**

- 1 + ₹13,500

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Qty 1+	₹13,500 each
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**Note:** This item requires accessories for use | [Learn More](#)

### Product Downloads



### General

**Mean Time To Failures MTTF @ 25° (hours):**  
≥50,000

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

**Type of Laser:**  
Diode

**Laser Class - CDRH:**  
II

## Physical & Mechanical Properties

Weight (g):

3

Pointing Accuracy (mrad):

<25

Length of Leads (mm):

220

Length (mm):

27.40

## Optical Properties

Wavelength (nm):

655.00

Beam Size at Nearest Focus (µm):

<40

Beam Diameter (mm):

3 x 1 at Aperture

Beam Divergence (mrad):

<0.5

Color:

Red

Focus Range (mm):

50mm - ∞

## Electrical

Operating Current (mA):

<20

Output Power (mW):

0.9

Output Power Tolerance (%):

±5 at 25°C

## 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](#)

Power Requirement:

3.5 - 5 VDC

Electrical Leads/ Pin Connections:

red (+), black (-)

Output Type:

Free Space

## Environmental & Durability Factors

Operating Temperature (°C):

-10 to +45

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

- 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.

Recommended power supply: [#59-099](#)

