

4mW 635nm Circular, Premier Laser Diode



Stock #57-106 **7 In Stock**

₹25,200

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

Product Downloads



General

3R **Laser Class - IEC:**

Mean Time To Failures MTTF @ 25° (hours):
>15,000

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

Diode **Type of Laser:**

Physical & Mechanical Properties**Pointing Stability after Warm Up (mrad°C):**

<0.01

Pointing Accuracy (mrad):

≤10 at Factory Set Focus

Length (mm):

47.00

Optical Properties**Wavelength (nm):**

639.00

Wavelength Tolerance (nm):

±10

Wavelength Stability (nm°C):

0.25

Beam Size at Nearest Focus (µm):

<50

Beam Diameter (mm):

2.00 at Aperture

Beam Divergence (mrad):

0.35 Typical

Color:

Red

Focus Range (mm):

25mm - ∞

Electrical**Operating Current (mA):**

≤100

Output Power (mW):

4

Power Stability (%):

<2

Output Power Tolerance (%):

±5

Modulation Frequency (kHz):

DC to 300kHz (at 95% modulation depth to -3dB)

Hardware & Interface Connectivity**Operating Voltage (V):**

5 DC ±5%

Power Supply:

Power Supply Required and Sold Separately:

USA: [#59-099](#)

Europe: Not Available

Japan: [#59-099](#)

Korea: Not Available

China: [#59-099](#)**Electrical Leads/ Pin Connections:**

red (+V), black (-), yellow (Vcontrol), green/yellow (case)

Output Type:

Free Space

Environmental & Durability Factors**Operating Temperature (°C):**

-10 to +45

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

- Stable Output
- True On/Off Pulsed Control
- Linear Amplitude or Time Modulation
- Low Power Consumption
- EMC/ESD Shielded
- Focusable

Premier Laser Diode Modules use advanced circuits and components to eliminate unwanted variations in output. A single input allows the light intensity to be set using a simple resistor or voltage source. The output can be modulated rapidly with any arbitrary waveform. Premier Laser Diode Modules contain an industrial quality laser diode with built-in monitoring photodiode. An efficient processor-controlled driver circuit is fully protected and matched to the diode. The stable, adjustable focus lens mounting and case is electrically isolated from the electronics. A 4-way connector provides supply, control, and shielding inputs. The modules meet IEC60825 certification, in accordance with CDRH. Applications for these laser modules include vision systems, telemetry, sensors, laboratory testing, and dynamic lighting.

A power supply, sold separately, is required for operation.
