

5.0mW 633nm, Miniature LDM Laser Diode



Stock **#53-755** **3 In Stock**

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1

+

S\$311^{.75}

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Qty 1+	S\$311.75 each
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Note: This item requires accessories for use | [Learn More](#)

Product Downloads



SPECIFICATIONS

General

Type:
Index Guided Diode, CW

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

Note: Includes: Users Manual, Warning Label, and Focus Key	
Diode	Type of Laser:
Laser Class - CDRH: IIIa	
Physical & Mechanical Properties	
9.5	Weight (g):
≤25	Pointing Accuracy (mrad):
215	Length of Leads (mm):
37.00	Length (mm):
Optical Properties	
635.00	Wavelength (nm):
<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	
<0.550	Operating Current (mA):
4.5 (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: Not Available China: #59-099	
3.5 - 5 VDC	Power Requirement:
red (+), black (-)	Electrical Leads/ Pin Connections:
Free Space	Output Type:
Environmental & Durability Factors	
-10 to +55	Operating Temperature (°C):
-40 to 85	Storage Temperature (°C):
Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 240:

PRODUCT DETAILS

- Line Generation Optics Available
- Bare Leads for Instrument Integration
- Focusable from 35mm to Infinity

Self-contained and miniature, laser diode modules 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. Applications include use as pilot beams for alignment, bar code readers, measurement, dimensional scanning, robotic control, target designation, positioning, and analysis. Focusing tool included with

all diode modules. Line Generator attachments are available for all diode modules listed. [Power Supply](#), required for operation, sold separately.
Note: Laser diode case is electrically isolated from supply voltage.

TECHNICAL INFORMATION

