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3.0mW 670nm, Miniature LDM Laser Diode



Stock **#53-233** **3 In Stock**

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1

+

£152^{.00}

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Qty 1+	£152.00 each
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Note: This item requires accessories for use | [Learn More](#)

Product Downloads



General

Type:
Index Guided Diode, CW

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

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

Type of Laser:

Diode	
IIIa	
Laser Class - CDRH:	
Physical & Mechanical Properties	
Weight (g):	
9.5	
Pointing Accuracy (mrad):	
≤25	
Length of Leads (mm):	
215	
Length (mm):	
37.00	
Optical Properties	
Wavelength (nm):	
670.00	
Beam Size at Nearest Focus (µm):	
<0.525	
Beam Diameter (mm):	
4 x2 at Aperture	
Beam Divergence (mrad):	
<0.5	
Color:	
Red	
Focus Range (mm):	
35mm - ∞	
Electrical	
Operating Current (mA):	
<0.550	
Output Power (mW):	
3 (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

- 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

