

0.9mW 655nm, Micro LDM Laser Diode



Stock #57-100 10 In Stock

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1

+

€143^{.00}

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Volume Pricing	
Qty 1-9	€143,00 each
Qty 10+	€136,00 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

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](#)

