

0.9mW 655nm, Micro LDM Laser Diode



Stock #57-100 [CONTACT US](#)

1 C\$221^{.20}

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Volume Pricing	
Qty 1-9	C\$221.20 each
Qty 10+	C\$210.14 each
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Product Downloads	
STEP:step	PDF Drawing:pdf
IGES:igs	Spec Sheets:pdf
User Manual:pdf	
eDrawing:eprt	
EO Spec Sheet	Download All

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

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 V DC
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
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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 LDM Laser 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 LDM Laser 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: For lasrs requiring 3-5V ([#59-099](#))

Accessories

Note: Compatible accessories for individual stock numbers may vary. If unsure about which accessories work with your products, please contact us [here](#).

	Title	Compare	Stock Number	Price	Buy
MORE+	7mm Heavy Duty Clamp		#72-826	C\$136.50 Volume Pricing Request Quote	1 In Stock <input type="text" value="1"/>

Frequently Purchased Together



#36-347 - 40mm Travel, Small Precision Single Axis Movement
C\$382.20



#46-098 - 25.4mm Dia. x 3mm High Efficiency Window
C\$38.50



#48-795 - 50.0mm Dia. x 50.0mm FL, NIR I Coated, Plano-Convex Lens
C\$105.00



#32-503 - 15mm 50R/50T Cube Beamsplitter
C\$331.80



Resources

Media Type

- Technical Tool
- Application Note
- Video
- FAQ
- Glossary
- Published Article
- Scientific Paper

TECHNICAL TOOL

Gaussian
Beams
Calculator

APPLICATION NOTE

Gaussian
Beam
Propagation

APPLICATION NOTE

Common Laser
Types

VIDEO

Understanding
Lasers and
How They're
Used Every...

FAQ

Can a laser
beam be seen
from the side?

FAQ

What factors
are involved in
how well I can
see a laser...

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