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3mW 635nm, Micro LDM Laser Diode Module



1

€143⁰⁰

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Volume Pricing	
Qty 1-9	€143,00 each
Qty 10+	€136,00 each
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Prices shown are exclusive of VAT/local taxes

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Product Downloads

- STEP:step
- PDF Drawing:pdf
- IGES:igs
- Spec Sheets:pdf
- User Manual:pdf
- eDrawing:eprt
- EO Spec Sheet
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Note: This item requires accessories for use | [Learn More](#)

General

Mean Time To Failures MTTF @ 25° (hours):	≥30,000	Note:	Includes: Users Manual, Warning Label, and Focus Key
Type of Laser:	Diode	Laser Class - CDRH:	IIIa

Physical & Mechanical Properties

Weight (g):	3	Pointing Accuracy (mrad):	<25
Length of Leads (mm):	220	Length (mm):	27.40

Optical Properties

Wavelength (nm):	635.00	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):	<30	Output Power (mW):	3
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
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Power Requirement: 3.5 - 5 V DC

Please select your shipping country to view the most accurate inventory information, and to determine the correct Edmund Optics sales office for your order.

Select Your Country/Region:

Electrical Leads/ Pin Connections:	red (+), black (-)
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Output Type: Free Space

Environmental & Durability Factors

Operating Temperature (°C):	-10 to +45
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Storage Temperature (°C):	-10 to +85
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Regulatory Compliance

RoHS 2015:	Compliant
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Certificate of Conformance: [View](#)

Reach 240:	Compliant
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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

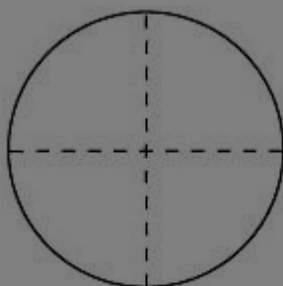
Note: Compatible accessories for individual stock numbers may vary. If unsure about which accessories work with your products, please contact us [here](#).

	Title	Compare	Stock Number	Price	Buy
MORE+	7mm Heavy Duty Clamp		#72-826	€97,50 Volume Pricing Request Quote	1 In Stock <input type="text" value="1"/>

Frequently Purchased Together



#32-012 - 12mm Dia. x 18mm FL
Uncoated, Double-Convex Lens



#39-446 - 21mm Diameter, Dashed
Crosshair, Contact Reticle



#47-696 - 6.25mm Dia. x 40mm FL,
VIS 0° Coated, Achromatic Lens



#47-746 - 6.25mm Dia x -50mm FL
Uncoated, Illumination Grade PCV

€34,00

Qty 

€77,95


Qty 

€75,50

Qty 

Cylinder Lens

€55,00

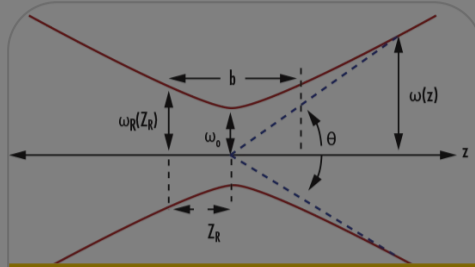
Qty 

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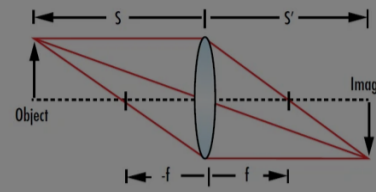
Media Type

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



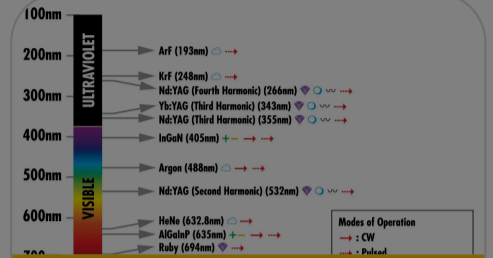
TECHNICAL TOOL

Gaussian Beams Calculator



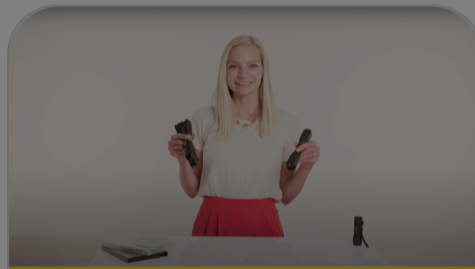
APPLICATION NOTE

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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