

[See all 13 Products in Family](#)

Coherent® Micro VLM™ Laser Diode 0221-155-00 | 1.6mW 670nm 30° Line

See More by [Coherent®](#)



Coherent® Micro VLM™ Laser Diode - Line Option

Stock **#52-268** 4 In Stock

-

1

+

S\$306^{.60}

ADD TO CART

Volume Pricing	
Qty 1+	S\$306.60 each
Need More?	Request Quote

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

Product Downloads



General

Micro VLM	Type:
Fully Shielded, Reverse Polarity Protected	Drive Circuitry:
Diode	Type of Laser:
II	Laser Class - CDRH:

	Operating Lifetime (hours):
Standard 9 V Battery: 5	

Physical & Mechanical Properties

	Housing Tolerance (mm):
+0/ - 0.0762	
	Pointing Accuracy (arcmin):
15.00	
	Diameter (inches):
0.375	
	Length (inches):
0.89	
	Line Width (mm):
1.00	

Optical Properties

	Wavelength (nm):
670.00	
	Wavelength Tolerance (nm):
±10	
	Wavelength Stability (nm/°C):
0.2 - 0.3	
	Beam Astigmatism (µm):
<10	
	Beam Diameter (mm):
3.00	
	Beam Divergence (mrad):
<1 transverse to line	
	Color:
Red	
	Fan Angle (°):
30.00	

Electrical

	Output Power (mW):
1.6 (Maximum)	
	Output Power Tolerance (%):
±4	
	ESD Protection:
ML Spec. Std. 1686B, Class 2	
	Current (mA):
70.00	

Hardware & Interface Connectivity

	Power Supply:
Power Supply Required and Sold Separately. USA: #59-099 Europe: #35-201 Japan: #59-099 Korea: #33-771 China: #59-099	
	Power Requirement:
3 - 6 VDC	
	Electrical Leads/ Pin Connections:
36" Length, Red (+), Black (-), Case (+)	
	Output Type:
Free Space	

Environmental & Durability Factors

	Operating Temperature (°C):
-10 to +40	
	Storage Temperature (°C):
-40 to +80	

Regulatory Compliance

	RoHS 2015:
Exempt	
	Reach 224:
Contains SVHC(s)	
	Certificate of Conformance:
View	

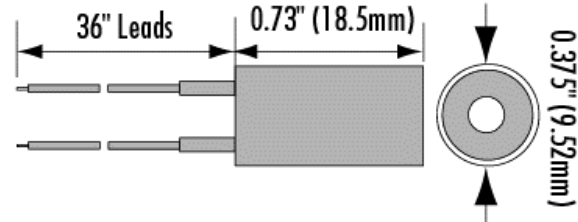
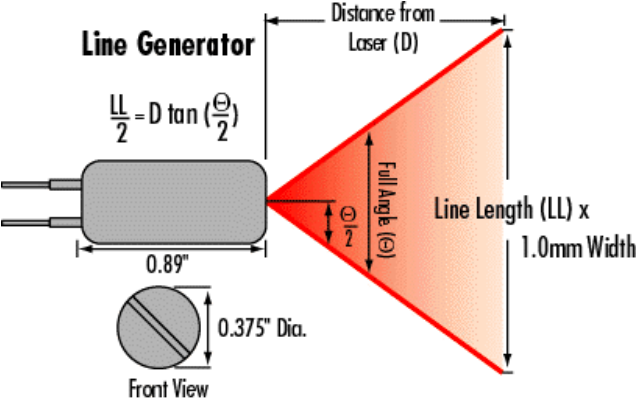
Product Details

- Robust, High Quality Laser Diodes with Small Form Factor
- 635nm and 670nm High Visibility Wavelengths
- Sophisticated Electronic Design for Consistent Beam Properties

Coherent® Visible Laser Diode Modules feature a compact form factor to help users achieve space saving designs in systems that require a collimated light source. The simple design of these laser diodes allows for quick and efficient incorporation into a wide array of optical systems. As sophisticated electronic design aids in producing consistent laser power and beams. Coherent® Visible Laser Diode Modules with advanced AlignLock™ optical assembly technology provide a remarkable beam-pointing alignment of <4.3mrad, making these laser diodes a great choice for precision applications. These robust, compact laser diodes are typically used in machine vision, medical equipment, and many other industrial applications.

Note: [Power Supply](#), sold separately, is required for operation.

Technical Information



VLM™ High Quality Laser Diode Module - Micro Series