

[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 ⊕ C\$306.⁰⁰

ADD TO CART

Volume Pricing	
Qty 1+	C\$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:**

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

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](#)

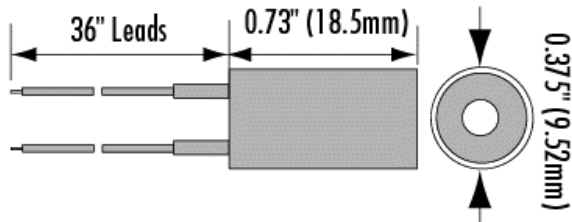
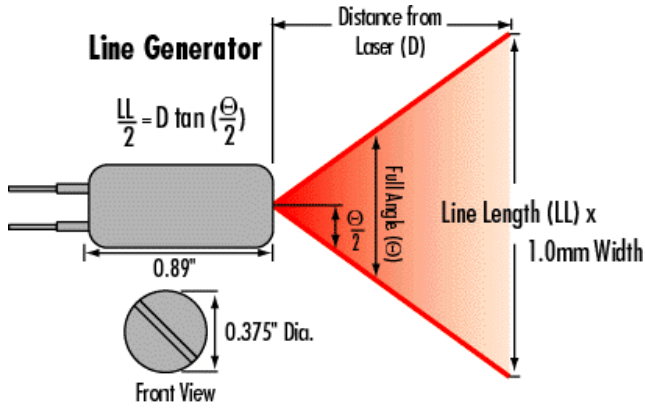
Product Details

- 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 <math><4.3\text{mrad}</math>, 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