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# Coherent® Micro VLM™ Laser Diode 0221-153-00 | 4.0mW 670nm 85° Line

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Coherent® Micro VLM™ Laser Diode - Line Option

Stock #52-266 **11 In Stock**

⊖ 1 ⊕ A\$350<sup>00</sup>

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

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**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 (°):**  
85.00

## Electrical

**Output Power (mW):**  
4 (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](#)

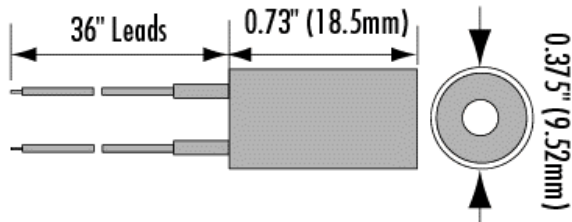
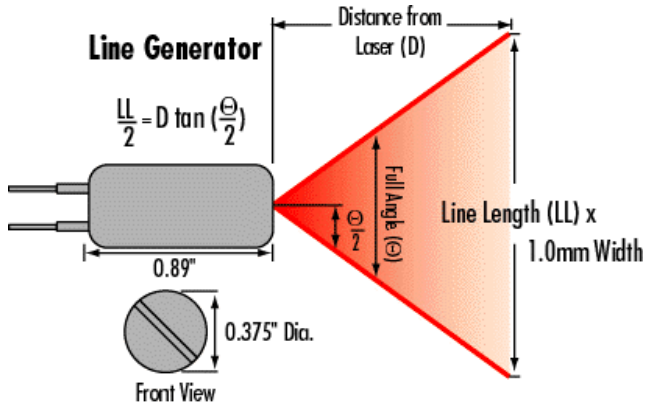
## Product Details

- 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