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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 ⊕ €219<sup>00</sup>

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Volume Pricing	
Qty 1+	€219,00 each
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ⓘ Prices shown are exclusive of VAT/local taxes

**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 (°):  
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](#)

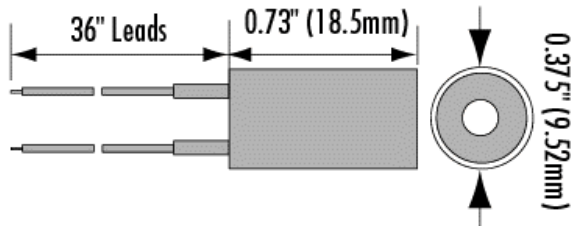
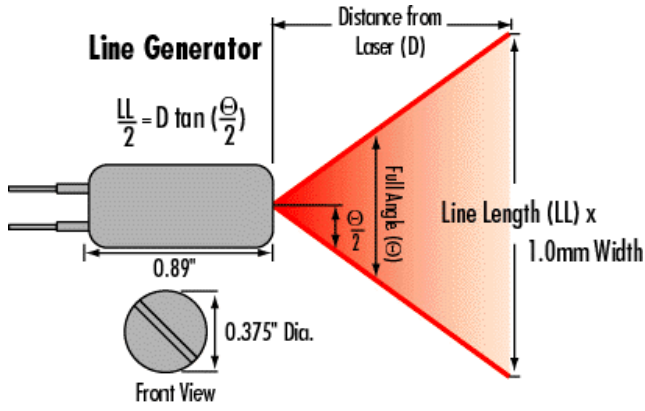
## Product Details

- 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