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# Coherent® Micro VLM™ Laser Diode 0220-968-00 | 4.2mW 670nm

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Coherent® Micro VLM™ Laser Diode

Stock #52-265 **2 In Stock**

⊖ 1 ⊕ A\$300.<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:**

IIIa **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):**  
0.73

## 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):**  
4 x 1

**Beam Divergence (mrad):**  
0.3 x 1.2

**Color:**  
Red

## Electrical

**Output Power (mW):**  
4.2 (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:**  
[Compliant](#)

**Certificate of Conformance:**  
[View](#)

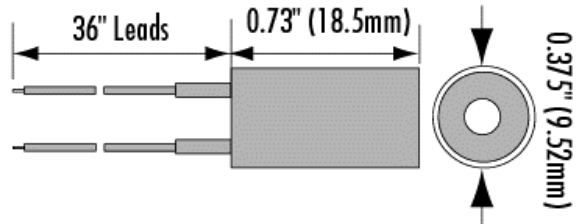
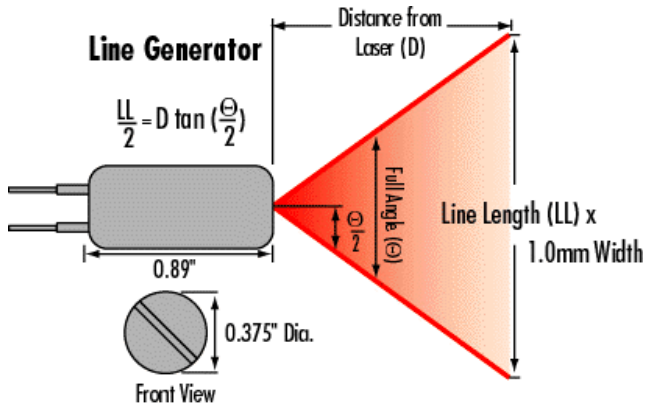
## Product Details

- 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. A 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