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# Coherent® Micro VLM™ Laser Diode 0220-970-00 | 0.95mW 670nm

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Coherent® Micro VLM™ Laser Diode

Stock **#52-263** [CONTACT US](#)

⊖ 1 ⊕ €156<sup>.00</sup>

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Volume Pricing	
Qty 1+	€156,00 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

**Type:**  
Micro VLM

**Drive Circuitry:**  
Fully Shielded, Reverse Polarity Protected

**Type of Laser:**  
Diode

II	<b>Laser Class - CDRH:</b>
Standard 9 V Battery: 5	<b>Operating Lifetime (hours):</b>
<b>Physical &amp; Mechanical Properties</b>	
+0/- 0.0762	<b>Housing Tolerance (mm):</b>
15.00	<b>Pointing Accuracy (arcmin):</b>
0.375	<b>Diameter (inches):</b>
0.73	<b>Length (inches):</b>
<b>Optical Properties</b>	
670.00	<b>Wavelength (nm):</b>
±10	<b>Wavelength Tolerance (nm):</b>
0.2 - 0.3	<b>Wavelength Stability (nm/°C):</b>
<10	<b>Beam Astigmatism (µm):</b>
4 x 1	<b>Beam Diameter (mm):</b>
0.3 x 1.2	<b>Beam Divergence (mrad):</b>
Red	<b>Color:</b>
<b>Electrical</b>	
0.95 (Maximum)	<b>Output Power (mW):</b>
±4	<b>Output Power Tolerance (%):</b>
ML Spec. Std. 1686B, Class 2	<b>ESD Protection:</b>
70.00	<b>Current (mA):</b>
<b>Hardware &amp; Interface Connectivity</b>	
<b>Power Supply:</b> Power Supply Required and Sold Separately. USA: <a href="#">#59-099</a> Europe: <a href="#">#35-201</a> Japan: <a href="#">#59-099</a> Korea: <a href="#">#33-771</a> China: <a href="#">#59-099</a>	
3 - 6 VDC	<b>Power Requirement:</b>
<b>Electrical Leads/ Pin Connections:</b> 36" Length, Red (+), Black (-), Case (+)	
Free Space	<b>Output Type:</b>
<b>Environmental &amp; Durability Factors</b>	
-10 to +40	<b>Operating Temperature (°C):</b>
-40 to +80	<b>Storage Temperature (°C):</b>
<b>Regulatory Compliance</b>	
<a href="#">Exempt</a>	<b>RoHS 2015:</b>
<a href="#">Contains SVHC(s)</a>	<b>Reach 224:</b>
<a href="#">View</a>	<b>Certificate of Conformance:</b>

## Product Details

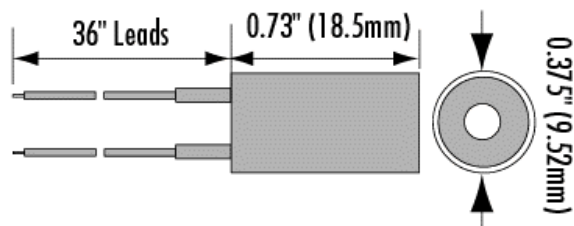
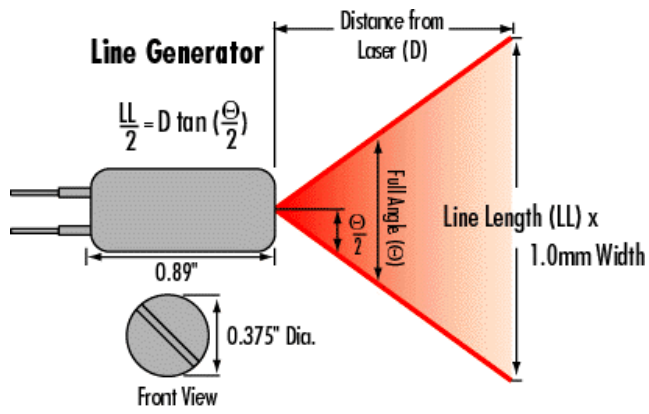
- Robust, High Quality Laser Diodes with Small Form Factor
- 635nm and 670nm High Visibility Wavelengths
- Sophisticated Electronic Design for Consistent Beam Properties

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 <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