

[See all 13 Products in Family](#)

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

See More by [Coherent®](#)



Coherent® Micro VLM™ Laser Diode

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

⊖ 1 ⊕ **C\$218⁰⁰**

ADD TO CART

| Volume Pricing | |
|----------------|-------------------------------|
| Qty 1+ | C\$218.40 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):
0.73

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):
0.95 (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 <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

