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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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**i** 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:   |

|                                                                                                                                                                                                                     |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Laser Class - CDRH:                                                                                                                                                                                                 |  |
| II                                                                                                                                                                                                                  |  |
| 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:                                                                                                                                                                                                     |  |
| MIL Spec. Std. 1686B, Class 2                                                                                                                                                                                       |  |
| Current (mA):                                                                                                                                                                                                       |  |
| 70.00                                                                                                                                                                                                               |  |
| Hardware & Interface Connectivity                                                                                                                                                                                   |  |
| Power Supply:                                                                                                                                                                                                       |  |
| Power Supply Required and Sold Separately.<br>USA: <a href="#">#59-099</a><br>Europe: <a href="#">#35-201</a><br>Japan: <a href="#">#59-099</a><br>Korea: <a href="#">#33-771</a><br>China: <a href="#">#59-099</a> |  |
| 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:                                                                                                                                                                                                          |  |
| <a href="#">Exempt</a>                                                                                                                                                                                              |  |
| Reach 224:                                                                                                                                                                                                          |  |
| <a href="#">Contains SVHC(s)</a>                                                                                                                                                                                    |  |
| Certificate of Conformance:                                                                                                                                                                                         |  |
| <a href="#">View</a>                                                                                                                                                                                                |  |

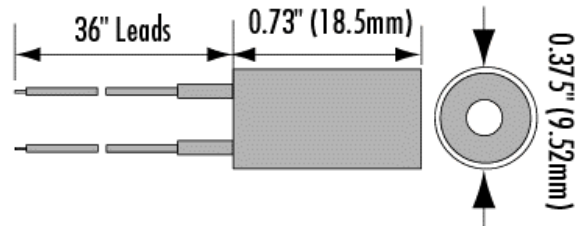
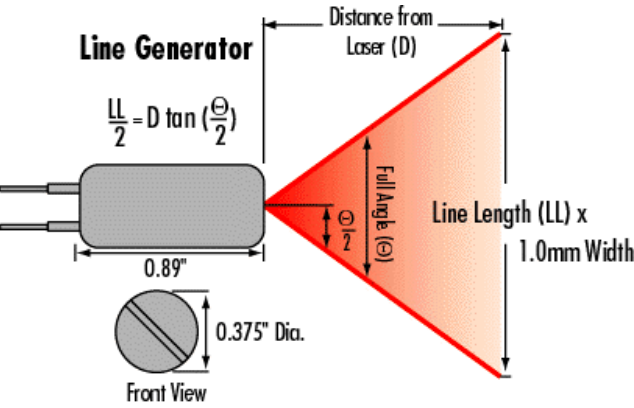
Product Details

- 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