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# Coherent® VLM™ Laser Diode 0221-005-00 | 2.3mW 670nm

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Coherent® VLM™ Laser Diode

Stock #53-761 **11 In Stock**

- 1 + £238<sup>40</sup>

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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

Index Guided Diode, CW **Type:**

Fully shielded, reverse polarity protected **Drive Circuitry:**

100000.00 **Diode Lifetime (hours):**

Diode	Type of Laser:
IIa	Laser Class - CDRH:
Standard 9V Battery: 5	Operating Lifetime (hours):

## Physical & Mechanical Properties

20.00	Weight (g):
+0, -0.0762	Housing Tolerance (mm):
914.4	Length of Leads (mm):
15.00	Pointing Accuracy (arcmin):
0.581	Diameter (inches):
1.776	Length (inches):

## Optical Properties

670.00	Wavelength (nm):
±10	Wavelength Tolerance (nm):
0.2 - 0.3	Wavelength Stability (nm/°C):
<10	Beam Astigmatism (µm):
3.0	Beam Diameter (mm):
0.35	Beam Divergence (mrad):
Red	Color:

## Electrical

2.3 (Maximum)	Output Power (mW):
±4	Output Power Tolerance (%):
ML Spec. Std. 1686B, Class 2	ESD Protection:
55 Typical, 70 Maximum	Current (mA):

## Hardware & Interface Connectivity

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>	Power Supply:
5-10V DC	Power Requirement:
red (+), black (-), case (+)	Electrical Leads/ Pin Connections:
Free Space	Output Type:

## Environmental & Durability Factors

-10 to +40	Operating Temperature (°C):
-40 to +80	Storage Temperature (°C):

## Regulatory Compliance

<a href="#">Exempt</a>	RoHS 2015:
<a href="#">View</a>	Certificate of Conformance:

## 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

