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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 + MRP ₹31,648

! Price inclusive of all taxes

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Volume Pricing	
Qty 1+	₹31,648 each
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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):**

Type of Laser:

Diode

IIIa **Laser Class - CDRH:**

Operating Lifetime (hours):
Standard 9V Battery: 5

Physical & Mechanical Properties

Weight (g):
20.00

Housing Tolerance (mm):
+0, -0.0762

Length of Leads (mm):
914.4

Pointing Accuracy (arcmin):
15.00

Diameter (inches):
0.581

Length (inches):
1.776

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):
3.0

Beam Divergence (mrad):
0.35

Color:
Red

Electrical

Output Power (mW):
2.3 (Maximum)

Output Power Tolerance (%):
±4

ESD Protection:
MIL Spec. Std. 1686B, Class 2

Current (mA):
55 Typical, 70 Maximum

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:
5-10V DC

Electrical Leads/ Pin Connections:
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](#)

Certificate of Conformance:
[View](#)

Country of Origin:
Thailand

Imported By:
Edmund Optics India Private Limited
267, Greystone Building, Second Floor,

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

