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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 + €298⁰⁰

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Volume Pricing	
Qty 1+	€298,00 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):**

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: #59-099 Europe: #35-201 Japan: #59-099 Korea: #33-771 China: #59-099	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

Exempt	RoHS 2015:
View	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

