

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

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Coherent® VLM™ Laser Diode

Stock **#53-761** **9 In Stock**

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1

+

S\$417^{.20}

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Note: This item requires accessories for use | [Learn More](#)

Product Downloads



SPECIFICATIONS

General

Index Guided Diode, CW

Type:

Drive Circuitry:

Fully shielded, reverse polarity protected	
100000.00	Diode Lifetime (hours):
Diode	Type of Laser:
IIIa	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: Power Supply Required and Sold Separately. USA: #59-099 Europe: #35-201 Japan: #59-099 Korea: #33-771 China: #59-099	
5-10VDC	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. 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

