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# Coherent® VLM™ Laser Diode 0220-923-00 | 0.6mW 635nm

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Coherent® VLM™ Laser Diode

Stock #54-032 **20+ In Stock**

1 MRP ₹25,700

Price inclusive of all taxes

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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

Laser Class - CDRH:

II

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):

635.00

Wavelength Tolerance (nm):

±5

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):

0.6 (Maximum)

Output Power Tolerance (%):

±4

ESD Protection:

ML Spec. Std. 1686B, Class 2

Current (mA):

80 Typical, 100 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:

5-10VDC

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

## 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

