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# Coherent® VHK™ Circular Beam Visible Laser Diode 0221-831-00 | 4.9mW 670nm

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Coherent® VHK™ Circular Beam Visible Laser Diode

Stock #54-021 **10 In Stock**

AS\$1,120<sup>00</sup>

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

Product Downloads



**General**

Diode **Type of Laser:**  
IIIa **Laser Class - CDRH:**

**Physical & Mechanical Properties**

<4 **Pointing Accuracy (mrad):**

0.580 **Diameter (inches):**

1.32 **Length (inches):**

### Optical Properties

670.00 **Wavelength (nm):**

1.1 @ module face **Beam Diameter (mm):**

0.70 **Beam Divergence (mrad):**

Red **Color:**

### Electrical

4.9 **Output Power (mW):**

60/90 (Typical/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:**

5-10 DC **Input Voltage (V):**

### Environmental & Durability Factors

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

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

### Regulatory Compliance

[Exempt](#) **RoHS 2015:**

[View](#) **Certificate of Conformance:**

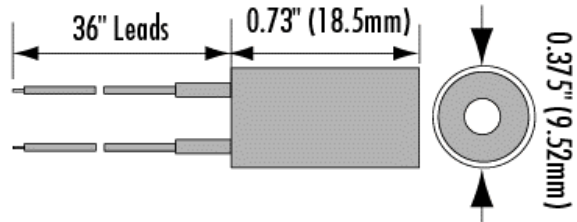
## Product Details

- 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



VLM™ High Quality Laser Diode Module - Micro Series



VLM™ High Quality Laser Diode Modules