

# 1mW, 635nm Alignment Laser Diode



Red and IR Alignment Laser Diode

Stock **#37-029** **8 In Stock**

⊖ 1 ⊕ A\$331<sup>20</sup>

**ADD TO CART**

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-9        | A\$331.20 each                |
| Qty 10+        | A\$298.08 each                |
| Need More?     | <a href="#">Request Quote</a> |

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

Product Downloads



**General**

IIIa **Laser Class - CDRH:**

**Physical & Mechanical Properties**

36.00 **Length (mm):**

**Optical Properties**

|                                    |                                   |
|------------------------------------|-----------------------------------|
| 635.00                             | <b>Wavelength (nm):</b>           |
| ±5                                 | <b>Wavelength Tolerance (nm):</b> |
| 3 x 1 Typical                      | <b>Beam Diameter (mm):</b>        |
| Major Axis: 0.6<br>Minor Axis: 0.2 | <b>Beam Divergence (mrad):</b>    |

|     |               |
|-----|---------------|
| Red | <b>Color:</b> |
|-----|---------------|

## Electrical

|        |                                    |
|--------|------------------------------------|
| 1      | <b>Output Power (mW):</b>          |
| 0 - 10 | <b>Modulation Frequency (kHz):</b> |

## Hardware & Interface Connectivity

|                                                                                                                                                                                                                                             |                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| 5                                                                                                                                                                                                                                           | <b>Operating Voltage (V):</b> |
| <b>Power Supply:</b><br>Power Supply Required and Sold Separately.<br>USA: <a href="#">#73-818</a><br>Europe: <a href="#">#73-818</a><br>Japan: <a href="#">#13-640</a><br>Korea: <a href="#">#33-770</a><br>China: <a href="#">#73-818</a> |                               |

## Environmental & Durability Factors

|           |                                    |
|-----------|------------------------------------|
| -10 to 50 | <b>Operating Temperature (°C):</b> |
|-----------|------------------------------------|

## Regulatory Compliance

|                           |                                    |
|---------------------------|------------------------------------|
| <a href="#">Compliant</a> | <b>RoHS 2015:</b>                  |
| <a href="#">View</a>      | <b>Certificate of Conformance:</b> |
| <a href="#">Compliant</a> | <b>Reach 233:</b>                  |

## Product Details

- Focus Adjustable
  - TTL Modulation up to 10kHz
  - 635nm, 780nm, 808nm, 850nm, and 980nm Wavelength Options
- Red and IR Alignment Laser Diodes are available in output powers from 1 to 100mW at 635nm, 780nm, 808nm, 850nm, and 980nm wavelengths. These low cost laser diode modules combine drive electronics and beam collimating optics, making them ideal for OEM integration applications. Red and IR Alignment Laser Diodes feature TTL Modulation up to 10kHz and are best utilized in alignment applications or systems with simple detectors.
- Note:** Power supply and mounting bracket are sold separately.