

# 1mW, 90° Gaussian Line, Harsh Environment Green Diode



Stock **#63-876** [CONTACT US](#)

- 1 + A\$1,152<sup>00</sup>

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

Product Downloads



## SPECIFICATIONS

### General

1M Laser Class - IEC:

Mean Time To Failures MTTF @ 25° (hours):  
>10,000

**Note:**  
#64-836 and #24-361 are required for power.

**Type of Laser:**  
Diode

**Laser Class - CDRH:**  
II

## Physical & Mechanical Properties

**Dimensions (mm):**  
20 Dia. x 136 L

**Weight (g):**  
87.00

**Housing Length (mm):**  
136.00

**Housing Diameter (mm):**  
20.00

## Optical Properties

**Wavelength (nm):**  
532.00

**Beam Diameter (mm):**  
5.00

**Beam Divergence (mrad):**  
<1 without Line Optics

**Color:**  
Green

**Fan Angle (°):**  
90.00

**Focus Range (mm):**  
200mm to Collimation

## Electrical

**Output Power (mW):**  
1

**Power Stability (%):**  
±5%

## Hardware & Interface Connectivity

**Output Type:**  
Free Space

**Connector:**  
4 Pins, M12

**Input Voltage (V):**  
5 - 30 DC

## Environmental & Durability Factors

**Operating Temperature (°C):**  
0 to +35

**Storage Temperature (°C):**  
-10 to +80

## Regulatory Compliance

**Certificate of Conformance:**  
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## PRODUCT DETAILS

- IP67 Rated Environmentally Sealed with Simple Thread Mount
- Electrically Isolated Housing
- Focusable with Gaussian and Uniform Line Options
- 5-30VDC Operation with Reverse Polarity Protection

Z-Laser Green Focusable Diode Modules are a high end, versatile green laser allowing wide voltage operation range with protection against surges, spikes and over voltage. This laser is available with Gaussian or Uniform line optics and is also available with simple spot output. Focusing can be achieved via the external focus mechanism, which does not interfere with the beam output. Z-Laser Green Focusable Diode Modules' electrical connections are made via an M12 connection with mounting available via an M18 threading. Application areas for these modules include machine vision, various materials processing, medical science and the automotive industry. [Mounting Accessories and Power Supply](#) also available.