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40mW, 90° Gaussian Line, Harsh Environment Green Diode



Stock **#64-827** [CONTACT US](#)

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1

+

€1.065⁰⁰

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

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General

Laser Class - IEC:

3B

Mean Time To Failures MTTF @ 25° (hours):

>10,000

Type of Laser:

Diode

IIIb	Laser Class - CDRH:	
Physical & Mechanical Properties		
20 Dia. x136 L	Dimensions (mm):	
87.00	Weight (g):	
136.00	Housing Length (mm):	
20.00	Housing Diameter (mm):	
Optical Properties		
532.00	Wavelength (nm):	
5.00	Beam Diameter (mm):	
<1 without Line Optics	Beam Divergence (mrad):	
Green	Color:	
90.00	Fan Angle (°):	
200mm to Collimation	Focus Range (mm):	
Electrical		
40	Output Power (mW):	
±5%	Power Stability (%):	
Hardware & Interface Connectivity		
Free Space	Output Type:	
4 Pins, M12	Connector:	
5 - 30 DC	Input Voltage (V):	
Environmental & Durability Factors		
0 to +35	Operating Temperature (°C):	
-10 to +80	Storage Temperature (°C):	
Regulatory Compliance		
View	Certificate of Conformance:	

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.