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**LASER LAB SOURCE**

manufactured by 

## 488nm 30mW Fiber-Coupled Laser Diode



### **RLS / 488NM-30MW-PMF**

- o 488nm  $\pm$ 10nm Output
- o 30mW Output Power
- o 3 $\mu$ m Polarization Maintaining Fiber
- o Wide Operating Temperature: 0°C – 60°C
- o Terminated with FC/APC Connector



## 488NM FIBER-COUPLED LASER DIODE

This Fabry-Perot laser is offered in a fiber-coupled coaxial package. This laser is coupled to 3  $\mu\text{m}$  polarization-maintaining fiber, NA 0.12, and terminated with an FC/APC connector. Other fiber and connector options are available; inquire for options and details.

These high stability fiber coupled laser diodes are designed and manufactured to meet the most demanding R&D and industrial applications. Proprietary design, packaging, and fiber coupling processes produce laser diodes with very high stability and low noise. Each laser diode is subject to extensive testing and burn-in before shipment to ensure the highest possible levels of quality and long term reliability.

## RLS / 488NM-30MW-PMF GENERAL SPECIFICATIONS

### OPTICAL SPECIFICATIONS AT 25°C

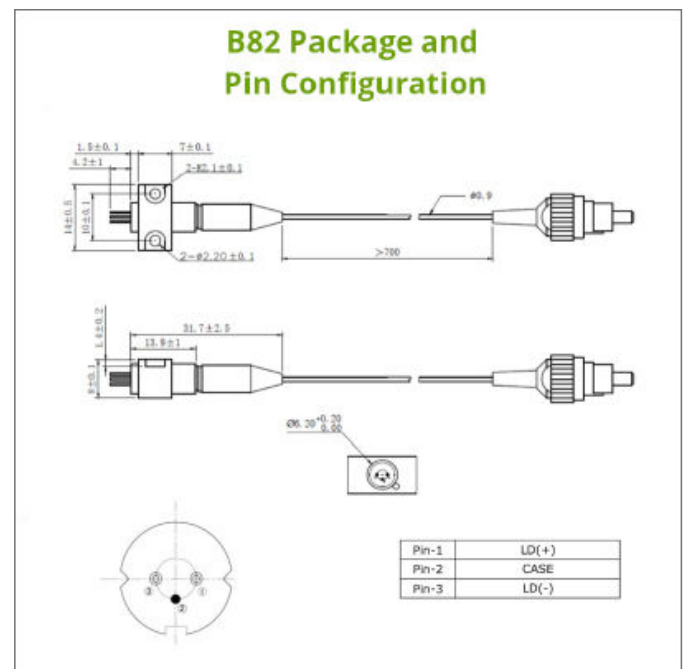
- Center Wavelength: 488 nm  $\pm$ 10 nm
- Output Power: 30 mW
- Wavelength Temperature Coefficient: 0.05 nm/°C
- Spectral Width (FWHM): 2.0 nm
- Beam Type: Gaussian
- Polarization Extinction Ratio: 15 dB

### ELECTRICAL SPECIFICATIONS AT 25°C

- Operating Current: 150 mA
- Threshold Current: 35 mA
- Operating Voltage: 6.5 V

### PACKAGE AND FIBER SPECIFICATIONS

- Coaxial Package with Mounting Bracket
- Fiber Type: Polarization Maintaining
- Fiber Connector: FC/APC
- Slow Axis Aligned to the Key of the FC Connector
- Fiber Core Diameter: 3  $\mu\text{m}$
- Fiber NA: 0.12





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## **PRODUCT SALES AND SERVICE:**

Unlimited phone and email support is provided for products purchased through Laser Lab Source. Orders for this product are fulfilled by Laser Lab Source in North America and select international regions. It is manufactured by Wavespectrum, Beijing, China.

## **PRODUCT WARRANTY:**

This product is sold with a full one-year warranty. It is warranted to be free from defects in material and/or workmanship for a period of one year from the date of shipment.



Laser Lab Source, a division of Research Lab Source, Inc.  
670 S. Ferguson St., Suite 3  
Bozeman, MT 59718 USA

Phone: 406-219-1472

[www.LaserLabSource.com](http://www.LaserLabSource.com)

