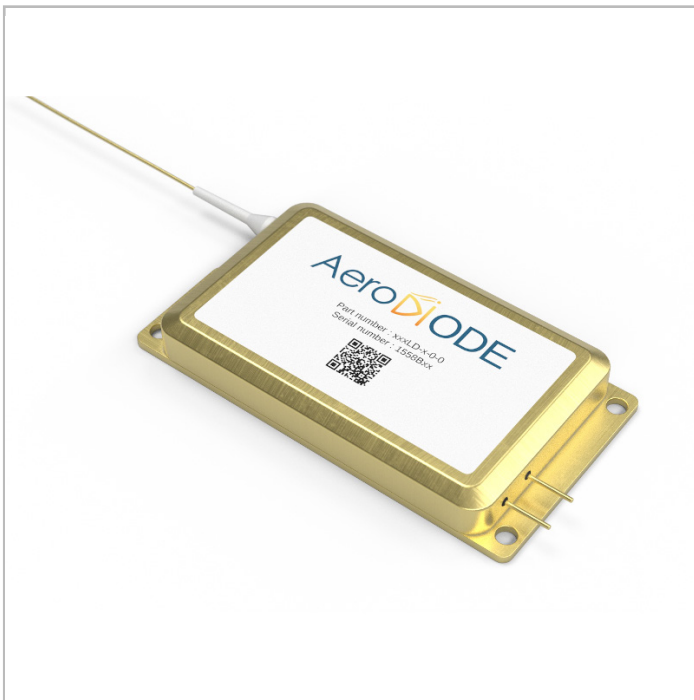




Offered by  
**LASER LAB SOURCE**

manufactured by **AeroDIODE**

## 915nm Laser Diode Module, 70W Fiber-Coupled Output



### 915NM FIBER-COUPLED LASER DIODE

- o Output Power: 70 W
- o Spectral Width (FWHM): 6 nm
- o High-Power Fiber-Coupled Module
- o 106 $\mu$ m Fiber Core
- o SMA Connector Fiber Termination



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**LASER LAB SOURCE**

manufactured by **AeroDiODE**

## **915NM FIBER-COUPLED LASER DIODE MODULE - 915LD-4-0-0 / LASER-DIODE**

These multi-mode laser diodes provide up to 70W CW output power. The high stability make them an excellent choice for sensing, spectroscopy, metrology, telecom, and research applications.

These laser diodes are offered in a compact module with 106 $\mu$ m fiber, terminated with an SMA905 connector. The package is designed for efficient heat conduction to ensure long operating life-time and stable output.

### **PROVEN LASER DIODE EXPERTISE**

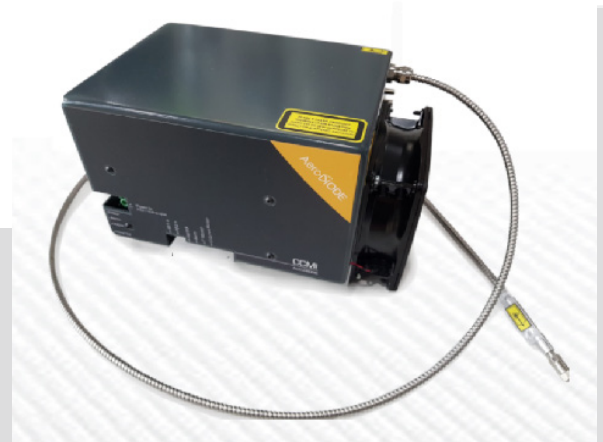
These high stability fiber coupled laser diodes are designed and manufactured to meet the most demanding R&D and industrial applications.

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.

### **FULLY TESTED CW SOURCE SYSTEM AVAILABLE**

This laser diode can also be ordered in a fully tested and calibrated CW source system.

Check our website for details, or inquire for a quote.





## OPTICAL AND ELECTRICAL SPECIFICATIONS

- Wavelength: 915 nm ( $\pm 10$  nm)
- Spectral Width: 6 nm
- CW Output Power: up to 70 Watts
- Wavelength shift w Temperature: 0.3 nm/ $^{\circ}$ C
- Wavelength shift w Current: 1 nm/A
- Feedback Isolation: > 30 dB (1020nm to 1200nm)



## ELECTRICAL SPECIFICATIONS

- Threshold Current: 0.9 Amps
- Forward Bias Drive Current: 12 Amps \*
- Forward Voltage: 11 Volts
- Conversion Efficiency: 48%
- \* For operating currents above 6 Amps, the electrical connections must be soldered.

## FIBER AND PACKAGE SPECIFICATIONS

- Multimode 106  $\mu$ m Core Fiber, NA=0.22
- Fiber Buffer/Tube Diameter: 125/900  $\mu$ m
- Min. Bend Radius: 37.5 mm
- Fiber Termination: SMA905
- Form Factor: 48 mm x 80 mm x 16 mm
- Storage Temperature: -30 $^{\circ}$ C to 70 $^{\circ}$ C
- Operating Temperature: 15 $^{\circ}$ C to 55 $^{\circ}$ C



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## **PRODUCT SALES AND SERVICE:**

Orders for this product are fulfilled by Laser Lab Source in North America and select international regions. It is manufactured by Aerodiode, Talence, France.

## **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.



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