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manufactured by **AeroDIODE**

940nm 10W Laser Diode Module 10W Fiber-Coupled Module



940LD-2-0-0 / LASER-DIODE

- o CW Output Power 10 W
- o Line Width 3 nm
- o 105 μ m Multi-Mode Fiber, SMA905 Connector



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940NM 10 WATT LASER DIODE

These 940nm lasers offer up to 10 watts of optical output in both pulsed and CW modes of operation. They are coupled to 105µm fiber with a NA of 0.22. These multimode devices are commonly used as pump / excitation sources for fiber laser applications.

940LD-2-0-0 / LASER-DIODE SPECIFICATIONS

Optical Specifications

Wavelength: 940nm (\pm 5nm)
CW Output Power: 10 Watts
Spectral Width (FWHM): 3 nm (typ)
Wavelength shift w Temperature: 0.3 nm/°C
Wavelength shift w Current: 0.7 nm/A
Spot Efficiency (0.15 / 0.22): 85%
Back Reflection Isolation Stage: 1020 - 1200 nm
Back Reflection Isolation: 30 dB

Electrical Specifications

Threshold Current: 0.7 A
Operating Current: 11.5 A *
Operating Voltage: 1.7 V
Conversion Efficiency: 50%
Slope Efficiency: 0.9 W/A
* For operating currents above 6 Amps, the electrical connections must be soldered.

Fiber and Package Specifications

Fiber Core: 105 µm, NA 0.22
Clad Diameter: 125 µm
Buffer / Tube Diameter: 900 µm
Min Bend Radius: 37.5 mm
Connector: SMA 905
Form Factor: 31 mm x 17 mm x 6.1 mm
Storage Temperature: -30°C to 70°C
Operating Temperature: 15°C to 55°C



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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 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.



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

AeroDIODE

Rue François Mitterrand Institut d'Optique d'Aquitaine
33400 Talence
FRANCE