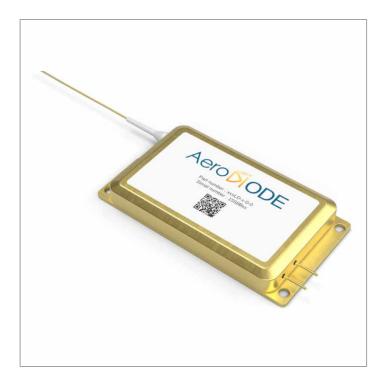




940nm 70W Laser Diode Module 70W Fiber-Coupled Module



940LD-4-0-0 / LASER-DIODE

- o CW Output Power 70 W
- o Line Width 6 nm
- o 105µm Multi-Mode Fiber, SMA905 Connector



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940NM 70 WATT LASER DIODE

These 940nm lasers offer up to 70 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-4-0-0 / LASER-DIODE SPECIFICATIONS

Optical Specifications	Wavelength: 940nm (± 5nm) CW Output Power: 70 Watts Spectral Width (FWHM): 6 nm (typ) Wavelength shift w Temperature: 0.3 nm/°C Wavelength shift w Current: 0.7 nm/A Back Reflection Isolation Stage: 1020 - 1200 nm Back Reflection Isolation: 30 dB
Electrical Specifications	Threshold Current: 0.8 A Operating Current: 11.5 A * Operating Voltage: 10.5 V Conversion Efficiency: 50% * 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 Dimensions: 48 mm x 80 mm x 16 mm Mounting Hole Dimensions: 3.4mm dia / 75 mm x 40 mm Storage Temperature: -30°C to 70°C Operating Temperature: 15°C to 55°C Soldering Temperature: 260°C (max) Soldering Time: 10 sec (max)

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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 warrantied 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



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

www.LaserLabSource.com phone: 800-887-5065 670 South Ferguson Bozeman, MT 59718