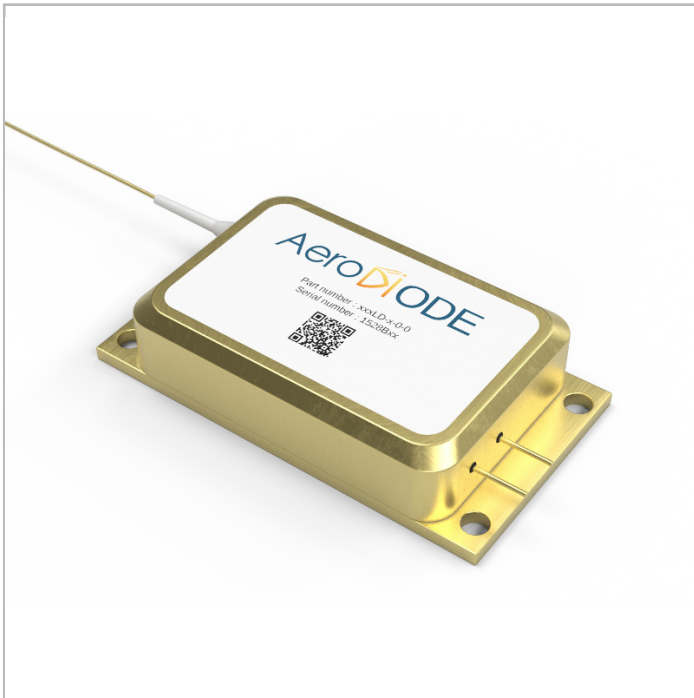




Offered by
LASER LAB SOURCE

manufactured by **AeroDIODE**

976nm Pump Laser Diode Module, 250W Fiber-Coupled Output



976NM LASER DIODE PUMP MODULE

- o Output Power: 250 W
- o Spectral Width (FWHM): 4 nm
- o Multi-Emitter High-Power Module
- o 135 μ m Fiber Core
- o SMA Connector Fiber Termination



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LASER LAB SOURCE

manufactured by **AeroDiODE**

980NM PUMP LASER DIODE MODULE - 980LD-7-0-0 / LASER-DIODE

These high power multi-emitter laser diode modules provide up to 250W CW output power. These lasers are best suited for use in the medical field, with consumer goods, or in telecommunications or spectroscopy.

These laser diodes are offered in a compact module with a 135 μ m fiber pigtail. 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.

OPTICAL AND ELECTRICAL SPECIFICATIONS

- Wavelength: 976 nm (± 3 nm)
- Emission Bandwidth: 4 nm
- CW Output Power: 250 W
- Wavelength Shift w/Temperature: 0.3 nm/ $^{\circ}$ C
- Feedback Isolation: >30 dB from 1020 - 1200 nm



ELECTRICAL SPECIFICATIONS

- Typical Drive Current: 18.5 A *
- Typical Forward Voltage: 27.2 V
- Min. Bend Radius: 50 mm
- Slope Efficiency: 14 W / A
- * For operating currents above 6 Amps, the electrical connections must be soldered.

FIBER AND PACKAGE SPECIFICATIONS

- Multimode 135 μ m Core Fiber, NA=0.22
- Fiber Clad/Buffer/Tube Diameter: 155/245/900 μ m
- Min. Bend Radius: 50 mm
- Fiber Termination: HP-SMA905
- Dimensions: 141 mm x 51 mm x 18 mm
- Storage Temperature: -30 $^{\circ}$ C to 70 $^{\circ}$ C
- Operating Temperature: 15 $^{\circ}$ C to 35 $^{\circ}$ 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.



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