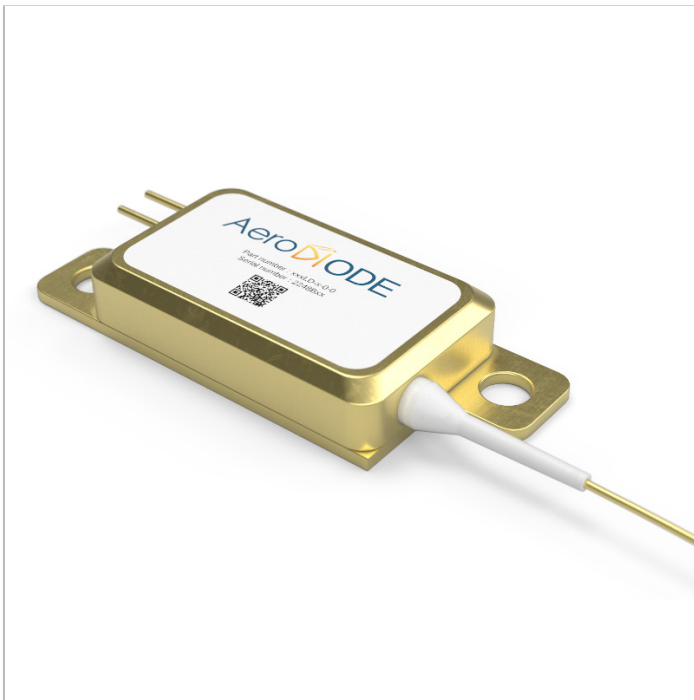




Offered by
LASER LAB SOURCE

manufactured by **AeroDiODE**

808nm Multi-Mode Laser Diode, 60W Fiber-Coupled Output



808NM MULTI-MODE LASER DIODE ○

Output Power: 60 W

- Spectral Width (FWHM): ~ 3.5nm
- Compact, Durable Package
- 105 μ m Fiber Core, Bare Fiber Termination
- SMA Connector Available (Optional)



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808NM MULTIMODE LASER DIODE - 808NM MODEL 4

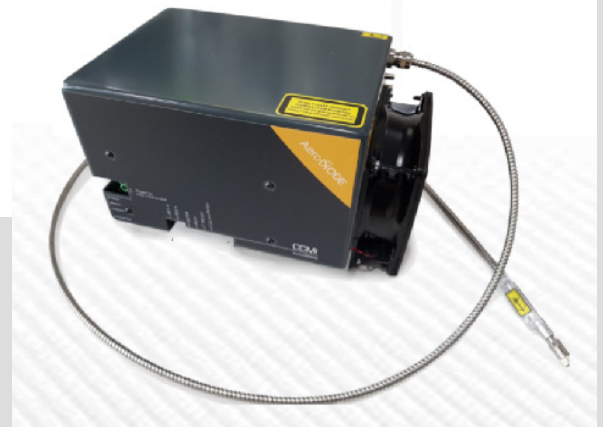
These multimode laser diodes provide up to 60 W of CW output power. These high reliability fiber-coupled lasers are offered in a compact 2-pin package with a multimode fiber output. The package is designed for efficient heat conduction to ensure long operating life-time and stable output.

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 SPECIFICATIONS

- Wavelength: 808 nm (\pm 5 nm)
- Output Power: 60 W
- Spectral Width (FWHM): 4.0 nm
- Wavelength shift w Temperature: 0.3 nm/ $^{\circ}$ C
- Wavelength shift w Current: 0.6 nm/ $^{\circ}$ C



ELECTRICAL SPECIFICATIONS

- Threshold Current: 0.7 A
- Operating Current: 7.0 A *
- Operating Voltage: 22.5 V
- Conversion Efficiency: 40%
- Slope Efficiency: 10 W/A
- * For operating currents above 6 Amps, the electrical connections must be soldered.

FIBER AND PACKAGE SPECIFICATIONS

- Fiber Core: 105 μ m
- Numerical Aperture: 0.22
- Fiber Clad/Buffer/Tube Diameter: 125/250/900 μ m
- Fiber Connector: None (SMA905 available on request)
- Fiber Length: 1.5 meters
- Minimum Bend Radius: 37.5 mm
- Form Factor: 123.5 mm x 56 mm x 22 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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AeroDIODE

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