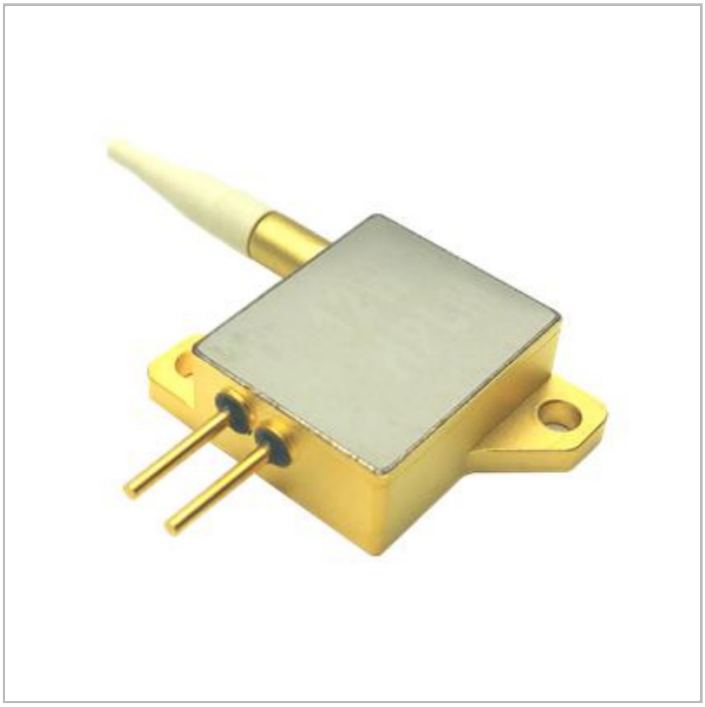
Offered by
LASER LAB SOURCE

manufactured by Xinghan Laser Technology

976nm, Wavelength Stabilized Laser Module
7W Output Power, 105µm Fiber-Core



976NM, 7W LASER DIODE

- Output Power (CW mode): 7 W
- Spectral Width (FWHM): < 1 nm (typ)
- High Heat Load Package
- Optical Fiber-Coupled, 105µm Core
- Bare-Fiber Termination

Laser Lab Source
a division of Research Lab Source Corporation

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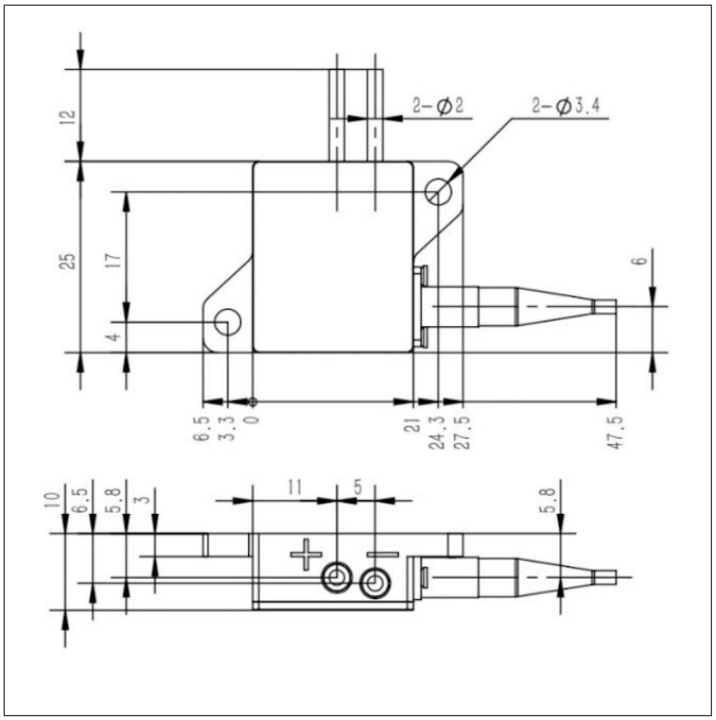
HIGH POWER 976NM LASER DIODE MODULE, 105µm FIBER

These high power 976nm laser diodes are wavelength stabilized for precision output, and are packaged in a high heat-load package. The package is designed to easily mount to a heatsink.

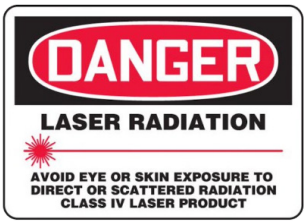
The laser is provided with 105µm core optical-core fiber (NA 0.22), with a bare-fiber termination.

Xinghan lasers are known for their robust construction, and long operational life-times.



OPTICAL PARAMETERS

- Output Power: 7 Watts
- Center Wavelength: 976nm (±0.5nm)
- Spectral Width(FWHM): ≤ 1nm
- 95% Power in NA: 0.12 NA
- Back Reflection Isolation Range: 1040 - 1200 nm
- Back Reflection Isolation: 30 dB
- Wavelength Temperature Coefficient: 0.02nm/°C



FIBER PARAMETERS

- Fiber Core Diameter: 105 µm
- Fiber Clad Diameter: 125 µm
- Numerical Aperture: 0.22 NA
- Fiber Length: 1.5 ~ 2.0 meters
- Loose Tubing Diameter: 900 µm
- Loose Tubing length: 1.2 ~ 1.5 meters
- Fiber Connector: (none) Bare Fiber
- Fiber Bend Radius: 30 mm

ELECTRICAL PARAMETERS

- Maximum Operating Current: 10 Amps
- Maximum Operational Voltage: 2 Volts

THERMAL PARAMETERS

- Operating Temperature Range: 15°C - 35°C
- Storage Temperature Range: -30°C - 70°C
- Lead Soldering Temperature: 300°C for 10 Seconds

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 Xinghan Laser, Bejing, China.

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

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