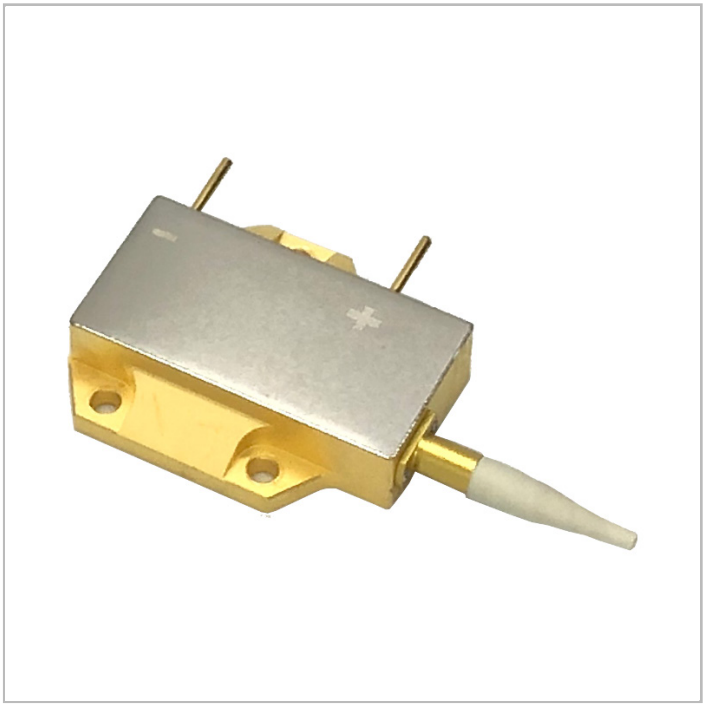
Offered by
LASER LAB SOURCE

manufactured by Xinghan
Laser Technology

915nm, 45W Laser Diode Module, 105µm Fiber-Core



915NM, 45W LASER DIODE

- Output Power (CW mode): 45 W
- Spectral Width (FWHM): <6 nm
- High Heat Load Package
- Optical Fiber-Coupled, 105µm Core
- Bare-Fiber Termination

Laser Lab Source
a division of Research Lab Source Corporation

www.LaserLabSource.com
phone: 800-887-5065

670 South Ferguson
Bozeman, MT 59718

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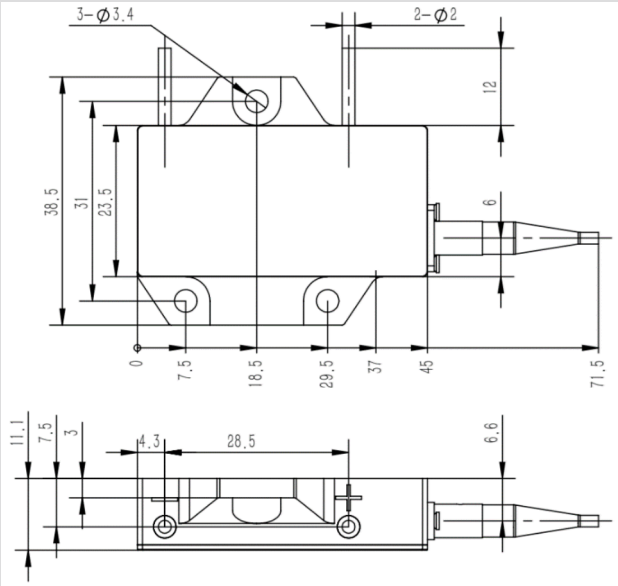
HIGH POWER 915NM LASER DIODE MODULE, 105µm FIBER

These high power 915nm laser diodes 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 / SC ceramic ferrule termination.

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



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OPTICAL PARAMETERS

- Output Power: 45 Watts
- Center Wavelength: 915 nm (900nm ~ 930nm)
- Spectral Width(FWHM): 6 nm
- 95% Power in NA: 0.15 NA
- Back Reflection Isolation Range: 1040 - 1200 nm
- Back Reflection Isolation: 30 dB
- Wavelength Tuning Coefficient: 0.35 nm / °C

FIBER PARAMETERS

- Fiber Core Diameter: 105 µm
- Fiber Clad Diameter: 125 µm
- Numerical Aperture: 0.22 NA
- Fiber Length: 1.0 ~ 1.2 meters
- Loose Tubing Diameter: 900 µm
- Loose Tubing length: ~ 1 meters
- Fiber Connector: (none) Bare Fiber
- Fiber Bend Radius: 30 mm

ELECTRICAL PARAMETERS

- Electrical to Optical Conversion Efficiency: 48%
- Typical Threshold Current: 0.6 A
- Typical Operating Current: 12 Amps
- Maximum Operational Voltage: 7.2 Volts

GENERAL PARAMETERS

- Operating Temperature Range: 15°C – 50°C
- Storage Temperature Range: -30°C – 85°C
- Lead Soldering Temperature: 300°C (max)
- Lead Soldering Time: 10 seconds
- Dimensions: 42 mm x 42 mm x 11 mm
- Weight: 82 g

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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 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.

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