1550nm, 10mW DFB Coaxial Laser Diode
Single-Mode Fiber with FC/APC Connector

PN: RLS/1550NM-10MW-SMF

- Wavelength: 1550 nm
- Output Power: 10 mW
- Single-Mode Fiber
- Includes Integrated Photodiode
- Standard FC/APC Connector (Inquire for other connector options)

1550NM-10MW-SMF Product Overview

This DFB laser is offered in a coaxial single-mode fiber-coupled package. The laser is mounted in a heat-sink bracket that allows for multiple mounting options.

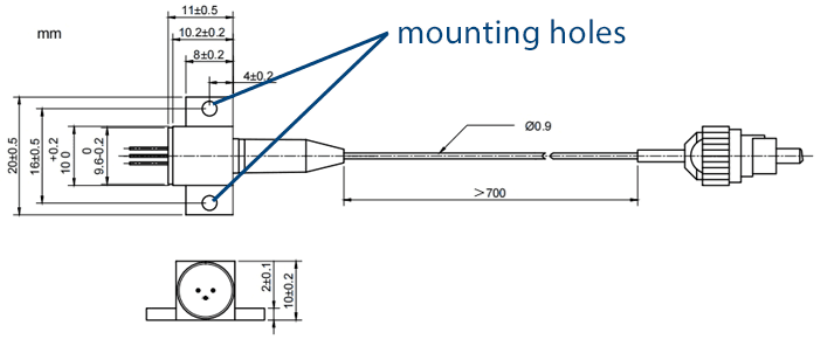
This laser is coupled to 9 µm single-mode fiber, NA 0.12, and terminated with an FC/APC connector. (Other options are available; inquire for options and details).

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.

Package Dimensions:



OPTICAL SPECIFICATIONS

- Output Wavelength: 1550 nm ±10nm
- Output Power: 10 mW
- SMSR: 30 dB
- Wavelength Temp. Coefficient: 0.09 nm/°C
- Beam Type: Gaussian Beam
- Laser Type: DFB
- Includes Integrated Photodiode
- PD Current: 0.1 mA

FIBER SPECIFICATIONS

- Fiber Type: Single Mode Fiber
- Fiber Core: 9 µm
- N.A.: 0.12
- Fiber Length: >80 cm
- Fiber Connector: FC/APC (Other Types Available; Inquire)

ELECTRICAL SPECIFICATIONS

- Threshold Current: 5 mA (typ)
- Operating Current: 80 mA (typ)
- Operating Voltage: 1.4 V (typ)

PRODUCT SALES AND SERVICE:
Orders for this product are fullfilled by Laser Lab Source in North America.

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. Warrranty does not include customer induced damage to the product through mishandling.

LASER LAB SOURCE

wave spectrum

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