

940nm, 50mW Coaxial Laser Diode SMF Fiber with FC/PC Connector



PN: RLS/940NM-50MW-SMF

Wavelength: 940 nm

Output Power: 50 mW

• Includes Integrated Photodiode

Single-Mode Fiber, 5 μm Core

Standard FC/PC Connector (Inquire for other connector options)





940NM-50MW-SMF Product Overview

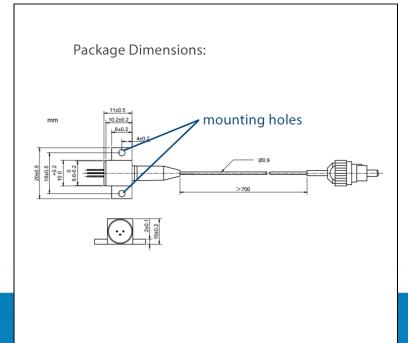
This Fabry-Perot laser is offered in a coaxial single-mode fiber-coupled package, with integrated photodiode. The laser is mounted in a heat-sink bracket that allows for multiple mounting options.

This laser is coupled to 5 μ m single-mode fiber, NA 0.12, and terminated with an FC/PC 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.





OPTICAL SPECIFICATIONS

• Output Wavelength: 940 nm ±15 nm

· Output Power: 50 mW

• Spectral Width (FWHM): 2.0 nm

• Wavelength Temp. Coefficient: 0.3 nm/°C

· Beam Type: Gaussian Beam

• Laser Type: Fabry-Perot

• Includes Integrated Photodiode

• PD Current: 0.3 mA

FIBER SPECIFICATIONS

• Fiber Type: Single Mode Fiber

• Fiber Core: 5 μm

N.A.: 0.12

• Fiber Length: >80 cm

• Fiber Connector: FC/PC (Other Types Available; Inquire)

ELECTRICAL SPECIFICATIONS

• Threshold Current: 20 mA (typ)

• Operating Current: 280 mA (typ)

• Operating Voltage: 2.2 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.





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