# 445nm, 1000mW Coaxial Laser Diode Multi-Mode Fiber with FC/PC Connector



# PN: RLS/445NM-1000MW-MMF

- Wavelength: 445 nm
- Output Power: 1000 mW
- 105 µm Multi-Mode Fiber
- Standard FC/PC Connector (Inquire for other connector options)



## 445NM-1000MW-MMF Product Overview

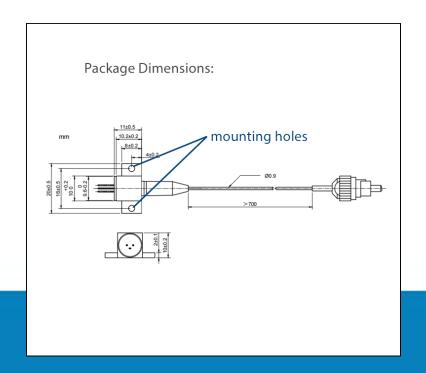
This Fabry-Perot laser is offered in a coaxial fiber-coupled package.

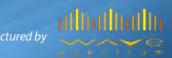
This laser is coupled to 105 µm multi-mode fiber, NA 0.22, and terminated with an FC/PC connector. (Other options are available; inquire for options and details).

# **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 burnin before shipment to ensure the highest possible levels of quality and long term reliability.





## **OPTICAL SPECIFICATIONS**

- Output Wavelength: 445nm ±10 nm
- Output Power: 1000 mW
- Spectral Width (FWHM): 2.0 nm
- Wavelength Temp. Coefficient: 0.05 nm/°C
- Laser Type: Fabry-Perot

### **FIBER SPECIFICATIONS**

- Fiber Type: Multi-Mode Fiber
- Fiber Core: 105 µm
- N.A.: 0.22
- Fiber Length: >80 cm
- Fiber Connector: FC/PC (Other Types Available; Inquire)

## **ELECTRICAL SPECIFICATIONS**

- Threshold Current: 0.3 A (typ)
- Operating Current: 1.4 A (typ)
- Operating Voltage: 6.0 V (typ)



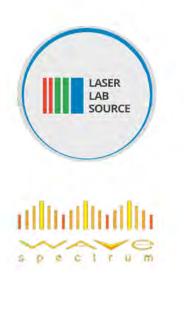


#### PRODUCT SALES AND SERVICE:

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



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