



445nm, 100mW Fiber-Coupled Laser Diode

9µm SMF-28 Fiber, FC/PC Connector

RLS / 445NM-100MW-SMF-9UM

OPTICAL SPECIFICATIONS

- Output Wavelength: 450 nm ±10 nm
- Output Power: 100 mW
- Spectral Width (FWHM): 2.0 nm
- Wavelength Temp. Coefficient: 0.05 nm/°C
- Laser Type: Fabry-Perot

FIBER SPECIFICATIONS

- Fiber Type: Single Mode SMF-28 Fiber
- Fiber Core: 9 µm
- N.A.: 0.12
- Fiber Length: >80 cm
- Fiber Connector: FC/PC (Other Types Available; Inquire)

ELECTRICAL SPECIFICATIONS

- Threshold Current: 25 mA (typ)
- Operating Current: 140 mA (typ)
- Operating Voltage: 6.0 V (typ)
- Max LD Reverse Voltage: 2.0 V

GENERAL SPECIFICATIONS

- Operating Temperature Range: -10°C – 70°C
- Recommended Operating Temp: 25°C
- Storage Temperature Range: -40°C – 85°C
- Lead Soldering Temperature: 260°C, 10 sec.

