



# 445nm, 80mW Fiber-Coupled Laser Diode

9µm SMF-28 Fiber, FC/PC Connector

## RLS / 445NM-80MW-SMF-9UM

### **OPTICAL SPECIFICATIONS**

- Output Wavelength: 450 nm ±10 nm
- Output Power: 80 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)

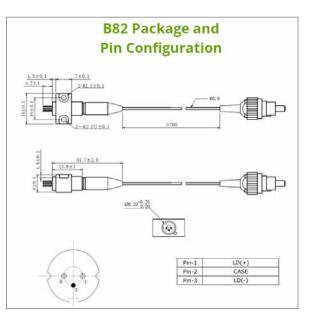
#### **ELECTRICAL SPECIFICATIONS**

- Threshold Current: 20 mA (typ)
- Operating Current: 120 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.





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