

# **1590nm, 5mW Fiber-Coupled DFB Laser Diode** with Isolator, Photodiode, PM Fiber, FC/APC Connector

## RLS / 1590NM-5MW-IPD-PMF

#### **OPTICAL SPECIFICATIONS**

- Output Wavelength: 1590 nm ±10 nm
- Output Power: 5 mW
- Spectral Width (FWHM): 0.3 nm
- Wavelength Temp. Coefficient: 0.09 nm/°C
- Beam Type: Gaussian Beam
- Laser Type: DFB (Distributed Feedback)
- Isolation: 30 dB (typ)
- Includes Integrated Photodiode

#### **FIBER SPECIFICATIONS**

- Fiber Type: Polarization Maintaining Fiber
- Polarization Extinction Ratio: 15 dB
- Fiber Core: 9 µm
- N.A.: 0.12
- Fiber Length: >80 cm
- Fiber Connector: FC/APC (Other Types Available; Inquire)
- Alignment: Slow Axis Aligned to FC Key

#### **ELECTRICAL SPECIFICATIONS**

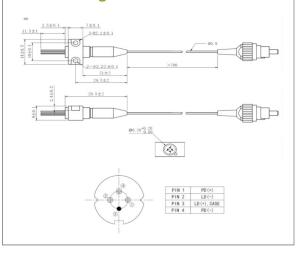
- Threshold Current: 5 mA (typ)
- Operating Current: 70 mA (typ)
- Operating Voltage: 1.4 V (typ)
- Max LD Reverse Voltage: 2.0 V
- PD Current: 0.1 mA
- PD Reverse Voltage Max: 15 V

#### **GENERAL SPECIFICATIONS**

- Operating Temperature Range: -20°C 50°C
- Recommended Operating Temp: 25°C
- Storage Temperature Range: -40°C 100°C
- Lead Soldering Temperature: 260°C



### B86 Package and Pin Configuration with Photodiode



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