



# 635nm, 80mW Fiber-Coupled Laser Diode

## Integrated Photodiode, 9µm Single-Mode Fiber, FC/PC Connector

### RLS / 635NM-80MW-PD-9UM-SMF

#### OPTICAL SPECIFICATIONS

- Output Wavelength: 638 nm  $\pm$ 10 nm
- Output Power: 80 mW
- Spectral Width (FWHM): 2.0 nm
- Wavelength Temp. Coefficient: 0.2 nm/°C
- Laser Type: Fabry-Perot
- Includes Integrated Photodiode

#### FIBER SPECIFICATIONS

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

#### ELECTRICAL SPECIFICATIONS

- Threshold Current: 55 mA (typ)
- Operating Current: 240 mA (typ)
- Operating Voltage: 2.8 V (typ)
- Max LD Reverse Voltage: 2.0 V
- PD Current: 0.3 mA
- PD Reverse Voltage Max: 30 V

#### GENERAL SPECIFICATIONS

- Operating Temperature Range: -10°C – 60°C
- Recommended Operating Temp: 25°C
- Storage Temperature Range: -40°C – 85°C
- Lead Soldering Temperature: 260°C, 10 sec.

