



# 635nm, 80mW Fiber-Coupled Laser Diode

## Integrated Photodiode, 4 $\mu$ m Single-Mode Fiber, FC/PC Connector

### RLS / 635NM-80MW-PD-4UM-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/ $^{\circ}$ C
- Beam Type: Gaussian Beam
- Laser Type: Fabry-Perot
- Includes Integrated Photodiode

#### FIBER SPECIFICATIONS

- Fiber Type: Single Mode Fiber
- Fiber Core: 4  $\mu$ m
- N.A.: 0.12
- Fiber Length: >80 cm
- Fiber Connector: FC/PC (Other Types Available; Inquire)

#### ELECTRICAL SPECIFICATIONS

- Threshold Current: 60 mA (typ)
- Operating Current: 260 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 $^{\circ}$ C – 60 $^{\circ}$ C
- Recommended Operating Temp: 25 $^{\circ}$ C
- Storage Temperature Range: -40 $^{\circ}$ C – 85 $^{\circ}$ C
- Lead Soldering Temperature: 260 $^{\circ}$ C, 10 sec.

