



# 650nm, 50mW Fiber-Coupled Laser Diode

## PM Fiber, FC/APC Connector

### RLS / 650NM-50MW-PMF

#### OPTICAL SPECIFICATIONS

- Output Wavelength: 658 nm  $\pm$ 10 nm
- Output Power: 50 mW
- Spectral Width (FWHM): 2.0 nm
- Wavelength Temp. Coefficient: 0.2 nm/ $^{\circ}$ C
- Beam Type: Gaussian Beam
- Laser Type: Fabry-Perot

#### FIBER SPECIFICATIONS

- Fiber Type: Polarization Maintaining Fiber
- Polarization Extinction Ratio: 15 dB
- Fiber Core: 4  $\mu$ m
- 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: 55 mA (typ)
- Operating Current: 210 mA (typ)
- Operating Voltage: 2.8 V (typ)
- Max LD Reverse Voltage: 2.0 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

