



# 685nm, 20mW Fiber-Coupled Laser Diode Photodiode, PM Fiber, FC/APC Connector

## RLS / 685NM-20MW-PD-PMF

### OPTICAL SPECIFICATIONS

- Output Wavelength: 685 nm  $\pm$ 15 nm
- Output Power: 20 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: 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: 35 mA (typ)
- Operating Current: 100 mA (typ)
- Operating Voltage: 2.7 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

