



635nm, 100mW Fiber-Coupled Laser Diode Photodiode, PM Fiber, FC/APC Connector

RLS / 635NM-100MW-PD-PMF

OPTICAL SPECIFICATIONS

• Output Wavelength: 638 nm ±10 nm

• Output Power: 100 mW

• Spectral Width (FWHM): 2.0 nm

• Wavelength Temp. Coefficient: 0.2 nm/°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 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: 70 mA (typ)

Operating Current: 280 mA (typ)

Operating Voltage: 2.8 V (typ)

• Max LD Reverse Voltage: 2.0 V

• PD Reverse Voltage Max: 30 V

PD Current: 0.3 mA

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



