Offered by
LASER LAB SOURCE

manufactured by WAVE spectrum

635nm, 80mW Fiber-Coupled Laser Diode
Photodiode, PM Fiber, FC/APC Connector

RLS / 635NM-80MW-PD-PMF

OPTICAL SPECIFICATIONS

- Output Wavelength: 638 nm ±10 nm
- Output Power: 80 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

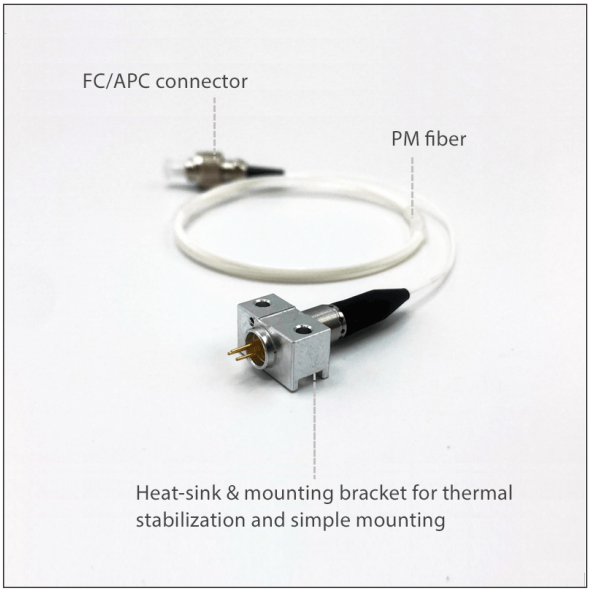
- Fiber Type: Polarization Maintaining Fiber
- Polarization Extinction Ratio: 15 dB
- Fiber Core: 4 µm
- N.A.: 0.12
- Fiber Length: >80 cm
- Fiber Connector: FC/APC (Other Types Available; Inquire)
- Alignment: Slow Axis Aligned to FC Key

ELECTRICAL SPECIFICATIONS

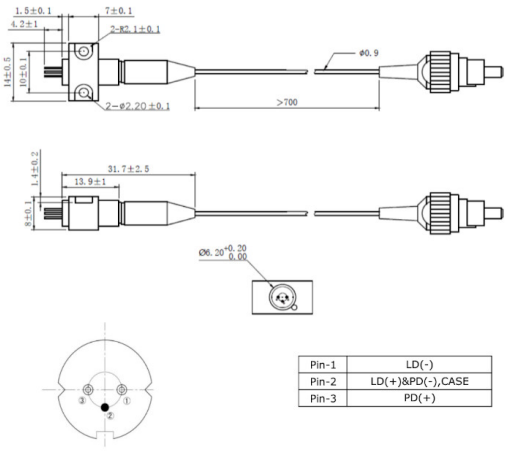
- Threshold Current: 60 mA (typ)
- Operating Current: 260 mA (typ)
- Operating Voltage: 2.8 V (typ)
- Max LD Reverse Voltage: 2.0 V
- PD Reverse Voltage Max: 30 V
- PD Current: 0.3 mA

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



B82 Package and Pin Configuration with Photodiode



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