



520nm, 10mW Fiber-Coupled Laser Diode

Integrated Photodiode, 3μm Single-Mode Fiber, FC/PC Connector

RLS / 520NM-10MW-PD-SMF

OPTICAL SPECIFICATIONS

- Output Wavelength: 520 nm \pm 10 nm
- Output Power: 10 mW
- Spectral Width (FWHM): 2.0 nm
- Wavelength Temp. Coefficient: 0.05 nm/ $^{\circ}$ C
- Beam Type: Gaussian Beam
- Laser Type: Fabry-Perot
- Includes Integrated Photodiode

FIBER SPECIFICATIONS

- Fiber Type: Single Mode Fiber
- Fiber Core: 3 μm
- N.A.: 0.12
- Fiber Length: >80 cm
- Fiber Connector: FC/PC (Other Types Available; Inquire)

ELECTRICAL SPECIFICATIONS

- Threshold Current: 45 mA (typ)
- Operating Current: 140 mA (typ)
- Operating Voltage: 6.5 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.

