



445nm, 50mW Fiber-Coupled Laser Diode

SM Fiber, FC/PC Connector

RLS / 445NM-50MW-SMF

OPTICAL SPECIFICATIONS

- Output Wavelength: 450 nm \pm 10 nm
- Output Power: 50 mW
- Spectral Width (FWHM): 2.0 nm
- Wavelength Temp. Coefficient: 0.05 nm/ $^{\circ}$ C
- Beam Type: Gaussian Beam
- Laser Type: Fabry-Perot

FIBER SPECIFICATIONS

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

ELECTRICAL SPECIFICATIONS

- Threshold Current: 25 mA (typ)
- Operating Current: 140 mA (typ)
- Operating Voltage: 6.0 V (typ)
- Max LD Reverse Voltage: 2.0 V

GENERAL SPECIFICATIONS

- Operating Temperature Range: -10 $^{\circ}$ C – 70 $^{\circ}$ C
- Recommended Operating Temp: 25 $^{\circ}$ C
- Storage Temperature Range: -40 $^{\circ}$ C – 85 $^{\circ}$ C
- Lead Soldering Temperature: 260 $^{\circ}$ C, 10 sec.

