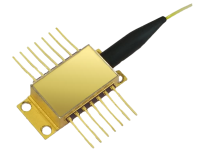


0902 1480 nm Pump

PL-1447-PM-240



1447 nm Pump Laser Diode, 240 mW, PM Fiber

The pump laser using Fiber Bragg Grating (FBG) features high-power and narrow-spectrum width. Power is available up to 250 mW. The center wavelength of this series is locked and stabilized in a wide temperature range by FBG. It supports the demands of Raman amp. sources for new applications.

FEATURES

- Rated Output Power Up to 240 mW (CW)
- Polarization Maintaining Fiber Pigtail
- 14-pin Butterfly Footprint
- Integrated PIN Photodiode for Back Facet Monitor
- Single Mode Fiber

USE IN

- Pump Source for Er-Doped Fiber Amplifier
- C- and/or L-band EDFA
- Single Channel Amp. to DWDM Amp.
- Pump Source for Raman Amplifier

Center Wavelength	1360 nm to 1520 nm (± 1.5 nm)
Spectral Width	3 nm max.
LD Operating Forward Voltage	2.5 V max.
LD Forward Current at EOL	1.2xIfBOL mA max.
Monitor Dark Current	100 nA max.
Extinction Ratio	16 dB min.
TEC Current	3.5 A max.
TEC Voltage	3.8 V max.
Thermistor Resistance	9.5 k Ω min.; 10 k Ω typ.; 10.5 k Ω max.
Thermistor B Constant	3900 K typ.
LD Forward Current	1300 mA max.
LD Reverse Voltage	2 V max.
PD Forward Current	5 mA max.
PD Reverse Voltage	20 V max.
Storage Temperature	-40°C to +85°C