



PL-1435-PM-280

1435 nm Pump Laser Diode, 280 mW, PM Fiber

The pump has been designed for use in a wide variety of optical amplifiers, such as EDFA and Raman amplifiers used in optical transmission systems, especially in dense wavelength division multiplexing (DWDM) systems. A strained multi-quantum well (st-MQW) laser diode chip is integrated with thermo-electric cooler (TEC) and PIN photodiode in a hermetically sealed 14-pin butterfly package.

FEATURES

- Rated Output Power Up to 280 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

Threshold Current		29.2 mA
Forward Current IF(BOL)	@Pf=160 mW	555.3 mA
Optical Output Power(Pf)		160 mW
Forward Voltage Vf(BOL)		1.56 V
Monitor Current	@Pf=160 mW	0.378 mA
Center Wavelength RMS		1434.9 nm
Spectral Width RMS		0.6 nm
Power in Band	@Pf=160 mW	97.6%
	@Pf=40 mW	93.3%
Polarization Crosstalk	@Pf=500 mA	26.8 dB
Thermoelectric Cooler Current		0.812 A
Thermoelectric Cooler Voltage	@If(BOL)x1.2	1.88 V