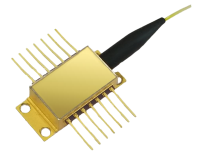


## 0902 1480 nm Pump

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