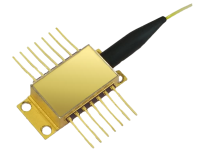


## 0902 1480 nm Pump

PL-1443-PM-240



### 1443 nm Pump Laser Diode, 240 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 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

Threshold Current	25.9 mA
Fiber Launched Optical Power: Pf700	167.7 mW
Fiber Launched Optical Power: Pf750	177.8 mW
Photodiode Current at 700 mA	1636 $\mu$ A
External Differential Efficiency	251 mW/A
Forward Voltage at 700 mA	1.673 V
Thermoelectric Cooler Current	1157 mA
Thermoelectric Cooler Voltage	3.78 V
Laser Forward Current	572.9 mA
Average Emission Wavelength at 700 mA	1443.1 nm
Pin Band P( $\pm$ 1.5 nm)/P( $\pm$ 10 nm)	86.49%