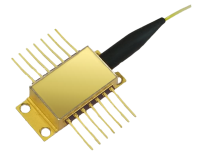


## 0902 1480 nm Pump

PL-1465-PM-280



### 1465 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                          |         | 24.3 mA   |
| Fiber Launched Optical Power: Pf750 mA     |         | 170.2 mW  |
| Photodiode Current: Ipd 160 mW             | TL 30°C | 792.8 μA  |
| External Differential Efficiency           |         | 238 mW/A  |
| Forward Voltage 1.2X160 mW                 |         | 2.05 V    |
| Thermoelectric Cooler Current              | dT 40°C | 922 mA    |
| Thermoelectric Cooler Voltage              |         | 2.98 V    |
| Laser Forward Current                      |         | 690.2 mA  |
| Peak Average Emission Wavelength at 160 mW |         | 1462.6 nm |
| Pin Band P(±1.5 nm)/P(±50 nm) at 160 mW    |         | 92.52%    |