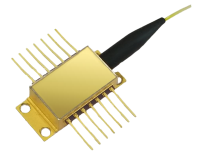


## 0902 1480 nm Pump

PL-1471-PM-280



### 1471 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

Laser Type	st-MQW
Center Wavelength	1471 nm
Fiber Bragg Grating	No
Output Power	280 mW
Operation Current	1100 mA max.
Polarization Extinction Ratio	20 dB typ.
Connectors	FC/UPC
Spectral Width	1 nm max.
TEC Cooled	Yes
Optical Isolator	30 dB typ.
Internal Back-Facet Monitor	PIN Diode
Built-in Thermistor	Yes
Package Type	14-pin Butterfly
Fiber Type	PANDA
Operation Temperature	-20°C to +70°C
Qualifications	Telcordia GR-468, ISO9001