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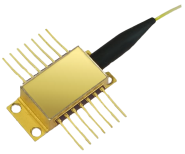
# 1002 1480 nm Pump

PL-1427-PM-240



## 1427 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

| | |
|---|---|
| Laser Type | st-MQW |
| Center Wavelength | 1427 nm |
| Fiber Bragg Grating | No |
| Output Power | 240 mW |
| Operation Current | 900 mA max. |
| Polarization Extinction Ratio | 20 dB typ. |
| Connectors | FC/UPC |
| Spectral Width | 10 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 |

**Order notes to our customers:** **The default parameters are as follows. For special needs, please contact sales.**

**1) Connector FC/APC, 900 um, 1 m by default for all devices except for high power devices.**

**2) Slow axis working, fast axis blocked, connector key is aligned to slow axis by default for PM devices.**