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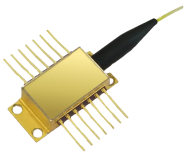
0202 1480 nm Pump Laser Diode

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

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		30 mA typ.; 65 mA max.
Forward Current IF (BOL)	@ Pf=160 mW	700 mA max.
Optical Output Power (Pf)		160 mW typ.
Forward Voltage Vf (BOL)	@ Pf=160 mW	2.5 V max.
Monitor Current		0.05 mA min.; 3 mA max.
Center Wavelength RMS		1435±0.8 nm
Spectral Width RMS		1.5 nm max.
Power in Band	@ Pf=160 mW	80% min.
	@ Pf=40 mW	80% min.
Polartization Crosstalk	@ Pf=500 mA	17 dB min.

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.