

## 0901 980 nm Pump



PL-980-190

### 980 nm Pump Laser Diode, 190 mW Kink Free, TEC, FBG

The 980 nm pump module is currently deployed in many of today’s DWDM systems and HFC distribution systems. This module has proven reliability with more than 100 million field deployed hours of operation. The pump module uses fiber Bragg grating stabilization to “lock” the emission wavelength and provides a noise-free narrow band spectrum even under changes in temperature, drive current and optical feedback.

#### FEATURES

- Fiber Bragg Grating Stabilized
- High Kink-free Powers to 190 mW
- Wavelength Selection Available
- Superior Tracking Error and Tracking Ratio
- Integrated TEC and Thermistor

#### USE IN

- DWDM EDFAs
- HFC Distribution
- High Bit Rate, High Channel Count EDFAs

LD & Case Temp.	25°C
Peak Wavelength	975.5 nm
I <sub>th</sub>	16 mA
I <sub>op</sub>	234.5 mA@110 mW
I <sub>mon @ I<sub>op</sub></sub>	0.381 mA
I <sub>max</sub>	267.3 mA@125 mW
η	0.51 mW/mA
TEC Volts @ I <sub>max</sub>	2.47 V@75°C
TEC Current @ I <sub>max</sub>	1.5 A@75°C
Thermister Resistance	10.15 KOhm@25°C