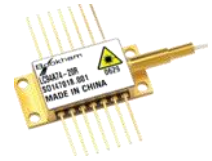


## 0901 980 nm Pump

PL-980-470



### 980 nm Pump Laser Diode, 470 mW Kink Free, TEC, FBG

The lasers are designed as pump sources for EDFA applications. Processes and techniques of coupling the fiber to the laser allow high output powers that are very stable with both time and temperature.

#### FEATURES

- Double Fiber Bragg Grating Wavelength Stabilization
- High Output Power to 470 mW Kink Free
- Single-mode Fiber Pigtail
- RoHS Compliant
- Hermetically Sealed 14-pin Butterfly Package
- Telcordia GR-468-CORE Compliant
- Field Proven High Reliability
- Internal Thermoelectric Heatpump and Monitor PD

#### USE IN

- Low Noise EDFAs
- HFC Applications
- DWDM EDFAs

@25°C	
Operating Power	425 mW
Operating Current	715.06 mA
Kink-free Current	791.48 mA
Kink-free Power	470 mW
Threshold Current	43.5 mA
Forward Voltage @ I <sub>MAX</sub>	1.87
Monitor Dark Current	0.4 nA
Monitor Responsivity	3.36 μA/mW
RMS Centre Wavelength	974.08 nm
RMS Spectral Width @ 13 dB	0.2 nm
TEC Voltage @ I <sub>MAX</sub> , 75°C	1.95 V
TEC Current @ I <sub>MAX</sub> , 75°C	1.44 A
Thermister Resistance	10.06 KOhm