



PL-980-740

980 nm Pump Laser Diode, 740 mW Kink Free, TEC, FBG

These lasers are designed as pump sources for Erbium-Doped Fiber Amplifier (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 740 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
- DWDM EDFAs
- HFC Applications

Case @ 25°C; Laser Submount 20°C

Operating Power	525 mW
Operating Current	837.9 mA
Kink-free Current	1196 mA
Kink-free Power	743 mW
Threshold Current	35.8 mA
Forward Voltage @ IMAX	1.82
Monitor Dark Current	1.4 nA
Monitor Responsivity	5.25 μ A/mW
RMS Centre Wavelength	974.29 nm
RMS Spectral Width @ 13 dB	0.2 nm
TEC Voltage @ IMAX, 75°C	2.29 V
TEC Current @ IMAX, 75°C	1.78 A
Thermister Resistance	9.87 KOhm