

## 0901 980 nm Pump



PL-980-130

### 980 nm Pump Laser Diode, 130 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 130 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

|                             |                          |
|-----------------------------|--------------------------|
| Laser Type                  | MQW                      |
| Center Wavelength           | 980±10 nm                |
| Fiber Bragg Grating         | Yes                      |
| Output Power                | 130 mW Kink-free min.    |
| Operation Current           | 250 mA typ.; 350 mA max. |
| Spectral Width              | 1 nm max.                |
| TEC Cooled                  | Yes                      |
| Internal Back-Facet Monitor | PIN Diode                |
| Built-in Thermistor         | Yes                      |
| Fiber Type                  | Single Mode              |
| Operation Temperature       | -20°C to +75°C           |
| Qualifications              | Telcordia GR-468-CORE    |