

PTS-PUMP Series

Fiber Amplifier Pump Light Source Modules

Key Features

- F-P pump laser diodes available in 980 nm and 1480 nm wavelengths
- Kink-free output
- Temperature control for wavelength stabilization
- Integrated fiber Bragg grating available for 980 nm module
- Available with various fiber optic output connector styles



The **PTS-PUMP Stabilized Light Source Modules** incorporate high-power Fabry-Perot laser diodes, emitting at 980 or 1480 nm. These lasers are used in pumping erbium doped fiber gain media, which are key building blocks in long-haul fiber optic telecom networks. 980 nm pump modules are also available with an optional built-in fiber Bragg grating, assuring enhanced wavelength stability and narrow spectral linewidth.

Specifications

Description	980 nm Pump LD with Bragg Grating			980 nm Pump LD			1480 nm Pump LD	
	90	91	92	95	96	97	40	41
Option Code	90	91	92	95	96	97	40	41
Center Wavelength (nm)	980±5			980±5			1480±15 nm	
Spectral Width, with grating (nm)	1							
Spectral Width, without grating (nm)				5			10 nm	
Max Output Power	100 mW	130 mW	150 mW	100 mW	130 mW	150 mW	120 mW	140 mW
Power Adjustment (dB) ¹⁾				6				
Power Stability (typ) (dB)								
Short-Term - 15 min				±0.02				
Long-Term - 8 h ²⁾				±0.05				
Fiber Type	4.2/125 μm SM						9/125 μm SM	
Dimensions (H x W x D) [in. (cm)]				5.23 (13.3) x 1.39 (3.5) x 9.09 (23.1)				
Weight [lb (kg)]				1.75 (0.8)				
Operating Temperature				0°C to 40°C				
Storage Temperature				-20°C to 60°C				

- 1) Spectral characteristics vary with power
- 2) After 1 hr. stabilization at 23 ±3.0°C ambient

Ordering Information

When ordering a Pump Light Source Module, please specify the following Model number:

PTS-PUMP-□□-□□
 Wavelength ———— Connector 55-FC/APC
 Code – see Output 75-SC/APC
 specification table Style

Order example: PTS-PUMP-41-55

Pump Laser Diode Module with center wavelength of 1480 nm, 140 mW of output power, 9/125 μm SM fiber pigtail and FC/APC connector output.

