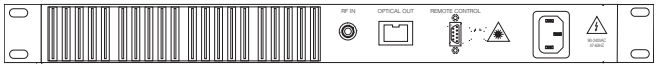
PFT Series 1310nm Optical Transmitters

- Wide bandwidth, 54~860MHz, high-performance single-mode 1310nm optical fiber transmitter
- Supports analog and QAM digital applications
- Wide range laser options, from 6dBm to 14dBm (4mW to 26mW), for multiple broadband applications
- Optical power monitoring of input RF and laser status
- RS232 port
- Manual or automatic gain controls RF input level
- Input voltage between 90-260Vac
- Unit can be used for NTSC and PAL systems
- Front panel RF test port -20dB
- Low power consumption

Front View



Rear View

Specifications

Optical Output Power in dBm	6, 8, 10, 12, 14 dBm
Optical Wavelength	1310nm
Laser Type	DFB
Optical Connector Type	SC/APC (FC/APC Optional)
RF Frequency Range	50~860 MHz
RF Input Level Range	+15 to 20dBmV
RF Input Impedance	75Ω
In-Band Flatness	±1dB
Input Return Loss	>15dB
Carrier-to-Noise (CNR)*	>50dB
Composite Second Ordering (CSO)*	>60dB
Composite Triple Beat(CTB)*	>65dB
AGC Control Range	±5dB
MGC Control Range	±5dB
Power Supply Range	90-264 Vac
Power Consumption (typical)	30 watts
Operating Temperature	0° to 50°C
Storage Temperature	-20° to +65°C
Relative Humidity	<10%
Dimensions	19˝ (W) x 13˝ (D) x 1.75˝ (H)
Weight	9.15 lbs.

Orderinginging Information

PFT - 6	(6dBm or 4mW) 1310nm Optical Transmitter
PFT - 8	(8dBm or 7mW) 1310nm Optical Transmitter
PFT - 10	(10dBm or 10mW) 1310nm Optical Transmitter
PFT - 12	(12dBm or 16mW) 1310nm Optical Transmitter
PFT - 14	(14dBm or 26mW) 1310nm Optical Transmitter