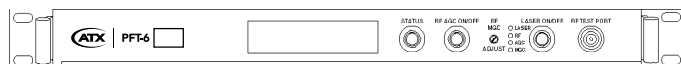


PFT Series

1310 nm Optical Transmitters

Features

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



Specifications

Optical Output Power	6,8,10,12,14 dBm
Optical Wavelength	1310 nm
Laser Type	DFB
Optical Connector Type	SC/APC (FC/APC Optional)
RF Frequency Range	50 to 860 MHz
RF Input Level Range	+15 to 20 dBmV
RF Input Impedance	75 Ω
In-Band Flatness	± 1 dB
Input Return Loss	> 15 dB
Carrier-to-Noise (CNR)*	> 50 dB
Composite Second Ordering	(CSO)* > 60 dB
Composite Triple Beat(CTB)*	> 65 dB
AGC Control Range	± 5 dB
MGC Control Range	± 5 dB
Power Supply Range	90 to 264 VAC
Power Consumption (typical)	30 Watts

Operating Temperature	0 °C to 50 °C
Storage Temperature	-20 °C to +65 °C
Relative Humidity	<10%
Dimensions	19" (L) x 13" (D) x 1.75" (H)
Weight	9.15 lbs.

Ordering Information

Part Number	Description
PFT-6	(6dBm or 4mW) 1310nm Optical Transmitter
PFT-8	(8dBm or 6mW) 1310nm Optical Transmitter
PFT-10	(10dBm or 10mW) 1310nm Optical Transmitter
PFT-12	(12dBm or 16mW) 1310nm Optical Transmitter
PFT-14	(14dBm or 22mW) 1310nm Optical Transmitter