



...communicating at the speed of light

FT-FTX Series Indoor Fiber Optic Transmitter Rack Mountable

Features:

- Wavelength: 1310nm, Single-Mode
- 47-860 MHz
- Front panel controls
- Requires 12 - 22 dBmV
- Front panel lock out
- SC/APC or FC/APC Output (specify)
- 6 dB or 10 dB output lasers available
- -20 dB RF test point
- 19" Rack mountable housing



Description:

The FT-FTX series is a state of the art series of rack mountable fiber optic transmitters designed for the fiber optic distribution of broadband RF signals. These unit accept a flat RF signal from 47-860 MHz and transmit out over single-mode fiber at 1310nm. The series has models with output levels of 6 dB or 10 dB and is available with either SC/APC or FC/APC fiber optic connectors. The FT-FTX series feature a high linearity DFB laser and an advanced pre-distortion feature providing a high level of reliability with low power, low noise, a high output level and excellent performance to price ratio. Unique thermal design provides superior heat dissipation, increasing the reliability of each system. The automatic gain control helps maintain a constant RF drive level to the laser for consistent performance. An interface LCD display allows the user to easily monitor the transmitter's performance. A convenient -20dBmV test point is located on the rear panel to enable input signal testing without service interruption.

Specifications:

Laser Type	DFB
Bandwidth	47-860 MHz
Optical Wavelength	1310nm +/-20nm
Optical Output Power	6 dB or 10 dB (specify)
RF Input Level	12-22 dBmV
Isolation, Auxiliary to Main Input	-32 dBc
Response Flatness (max)	+/-0.75 dB
Response Slope	0 - 0.75 dB
Input Impedance	75 Ohms
Input Return Loss	≥16 dB
RF Test Point	-20 dB +/-1.0 dB
Carrier to Noise Ratio (CNR)	≥51 dBc
Composite Triple Beat (CTB)	≥65 dBc
Composite Second Order (CSO)	≥60 dBc
Optical Return Loss	>45 dB

General

RF Input Connector	F Type Female
RF Test Point Connector	F Type Female
Optical Output Connector	SC/APC or FC/APC (specify)
Power Consumption (max)	40W
Operating Temperature	-32°F to +122°F
Storage Temperature	-13°F to +150°F
Dimensions	19"W x 1.75"H x 13"D

Ordering Information:

FT-FTX-6-SCAPC	Fiber optic transmitter, 6 dB, SC/APC output connection
FT-FTX-10-SCAPC	Fiber optic transmitter, 10 dB, SC/APC output connection
FT-FTX-10-FCAPC	Fiber optic transmitter, 10 dB, FC/APC output connection
FT-FTX-PS2-RDN	Redundant power supply for FT-FTX series transmitters

Contents Include:

- 1 Fiber optic transmitter
- 1 Power cord
- 1 Instruction manual

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