

FTO-3000-IT Direct Broadcasting MATV/CATV Fiber Optic Transmitter

Technical Specification

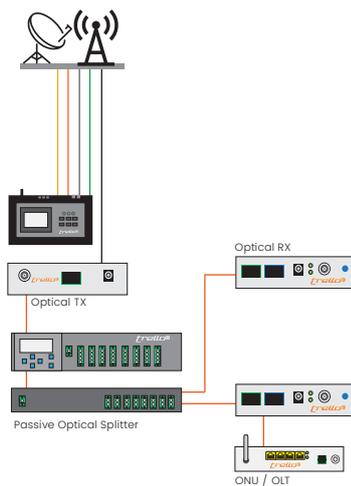
RF and Optical Characteristics				
Parameter	Min	Type	Max	Unit
Laser Wavelength		1550		nm
Laser Output Power	1	3	4	dBm
Tx Input RF Return Loss	10	12		dB
Tx RF Input Range	-55	-40	-30	dBm
20 TV channels equalized at				
RF AGC Variation	± 2dB			
Frequency Range (Terrestrial TV)	174 -806 MHz			
Flatness	≤2.0dB in band			
IMD 2nd order	≥ 50dB (two input tones at -20 dBm)			
IMD 3RD order	≥ 53dB (two input tones at -20 dBm)			
RF/Optical Interface				
RF Connector	F-Type			
RF Impedance	75 Ohm			
Fiber	9µm / 125µm Single Mode Fiber			
Fiber Connector	SC/APC, SC/UPC, FC/APC, FC/UPC			
Physical and Environmental Characteristics				
Power Supply	12V 1A DC adaptor			
	100~240V AC (19" 1RU version)			
Power Consumption	< 3W (for single Tx module)			
Dimension (for single module)	127mm ×90mm ×30mm			
Weight (for single module)	0.5Kg (without power adaptor)			
Operating Temperature	-10~+50 °C			
Storage Temperature	-40~+85 °C			
Relative Humidity	5~95 % (non-condensing)			

Features

- Compact aluminum die cast housing
- Single combined RF input with bandwidth: 45~860MHz
- High Linearity 1550nm uncooled DFB Laser
- Low noise RF Gain Control circuit
- Direct broadcasting with Non-cascading Optical Transmitter
- Powered by external power adaptor



Application



Ordering Information

Direct Broadcasting Fiber Optic Transmitter, MATV/CATV 1550nm and WDM Transmission Optical Length, SC/APC
 Order Number: TFO-3000-IT

Other Related Product

Direct Broadcasting Fiber Optic MATV/CATV Receiver, 1550nm and Integrated WDM Transmission Optical Length, SC/APC
 Order Number: TFO-3000-IWR

5 Input Direct Broadcasting Fiber Optic Transmitter, 1550nm and WDM Transmission Optical Length, SC/APC, with Aluminum housing
 Order Number: TFO-3500-4T

Direct Broadcasting Fiber Optic Quattro Receiver, 1550nm Transmission Optical Length, SC/APC, with Aluminum housing
 Order Number: TFO-3500-4R

Direct Broadcasting Fiber Optic Quattro Receiver, 1550nm and Integrated WDM Transmission Optical Length, SC/APC, with Aluminum housing
 Order Number: TFO-3500-4WR

Enterprise Direct Broadcasting Satellite optical amplifier, 1550nm Transmission Optical Length (4, 8, 16, 24, 32 Output Channels)
 Order Number: FTO-3530-34xx

Enterprise Direct Broadcasting Satellite optical amplifier, 1550nm Transmission Optical Length and Integrated WDM (4, 8, 16, 24, 32 Output Channels)
 Order Number: FTO-3530-34xx-W