

TECHNICAL DATASHEET

F-RF-1310-TX-16mW

16mW CATV RF Over Fiber Optical Transmitter (45-870 MHz)



The F-RF-1310-TX-16mW is a 1310nm CATV RF over fiber optical transmitter designed to transport the full 45-870 MHz RF spectrum over single mode fiber. Utilizing a highly linear DFB laser and Automatic Gain Control (AGC), the transmitter ensures stable, low distortion performance for both analog and digital CATV distribution systems. Suitable for point-to-point and point-to-multipoint RF fiber networks.

Key Features

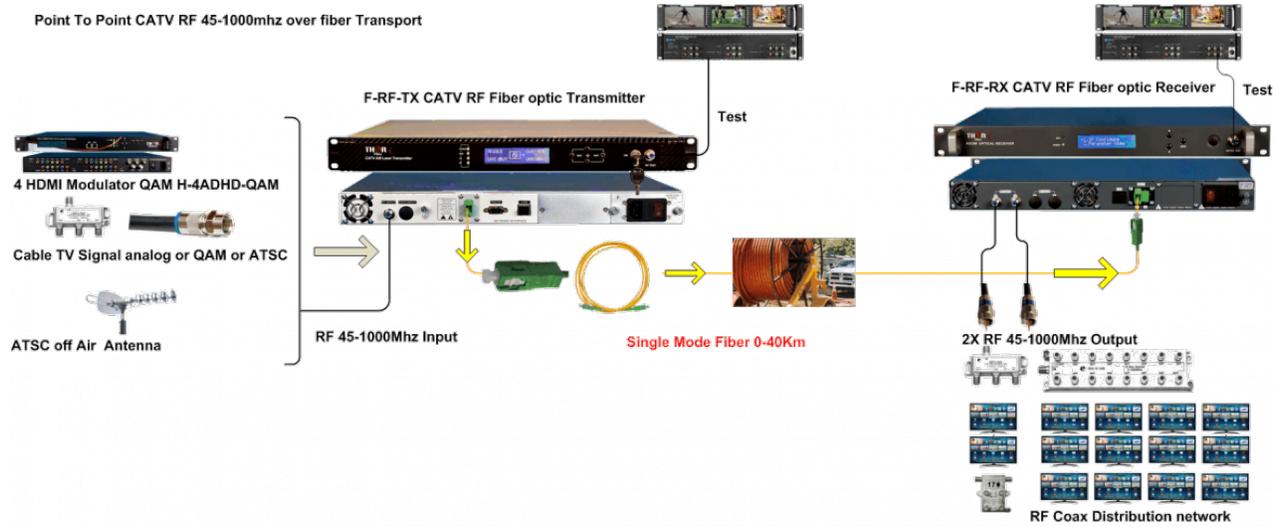
- 16 mW optical output power for extended fiber reach
- Full 45-870 MHz RF band transport over single fiber
- Automatic Gain Control (AGC) for stable RF input levels
- High CNR and low distortion for analog and digital CATV
- Compatible with Thor RF over Fiber optical receivers



Technical Specifications

RF / OPTICAL / MECHANICAL	
RF Input	1x F-Type, 75 Ohm
Optical Wavelength	1310 nm
Optical Output Power	16 mW (+12 dBm)
Optical Connector	SC/APC
RF Frequency Range	45-870 MHz
Flatness	< +/-0.75 dB
CNR	> 50 dB
CTB	< -63 dB
CSO	< -57 dB
Operating Temperature	0 to 45 C
Power Supply	AC 90-250V
Dimensions	19 x 10 x 1.75 inch

Typical Application



Product Page QR Code



<https://thorbroadcast.com/product/16-mw-catv-rf-over-fiber-tx-45-870-mhz.html>