

TECHNICAL DATASHEET

F-RF-1310-TX-8mW

8mW CATV RF Over Fiber Optical Transmitter (45-870 MHz)



The F-RF-1310-TX-8mW is a 1310nm CATV RF over fiber optical transmitter designed to transport the entire 45-870 MHz RF band over single mode fiber. Using a highly linear DFB laser and Automatic Gain Control (AGC), the system delivers stable and low distortion performance for both analog and digital CATV signals. Suitable for point-to-point and point-to-multipoint RF distribution networks using PLC splitters.

Key Features

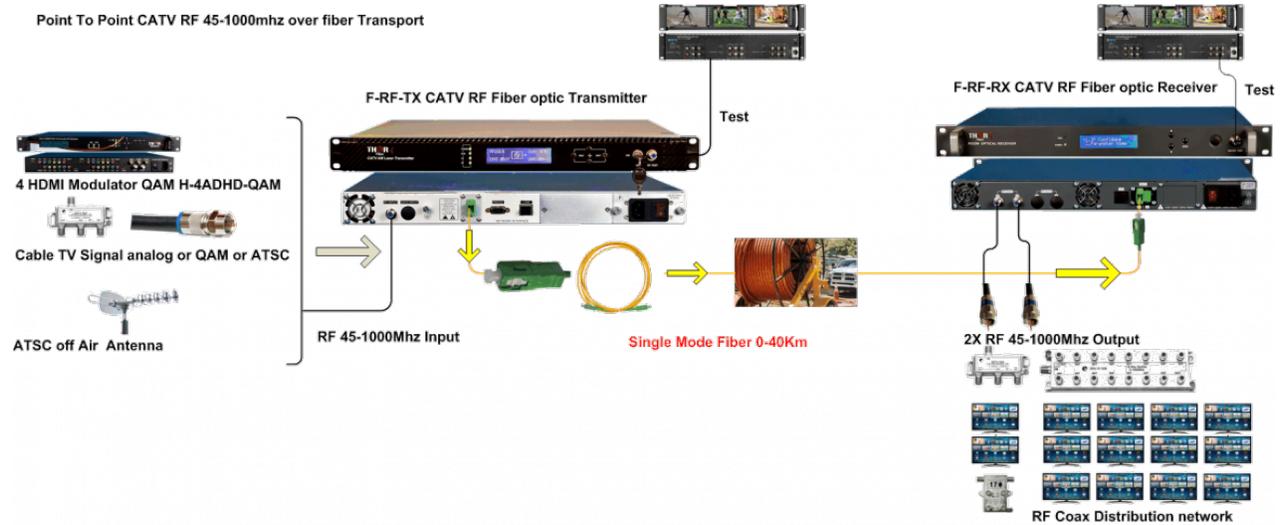
- 8 mW optical output power with precision laser control
- Full 45-870 MHz RF band transport over single fiber
- Automatic Gain Control (AGC) for stable RF level
- Low distortion and high CNR for analog and digital CATV
- Compatible with Thor RF over Fiber optical receivers



Technical Specifications

RF / OPTICAL / MECHANICAL	
RF Input	1x F-Type, 75 Ohm
Optical Wavelength	1310 nm
Optical Output Power	8 mW (+9 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/8-mw-catv-rf-over-fiber-tx-45-870-mhz.html>