

TECHNICAL DATASHEET

F-RF-1310-TX-32mW

32mW CATV RF Over Fiber Optical Transmitter (45-870 MHz)



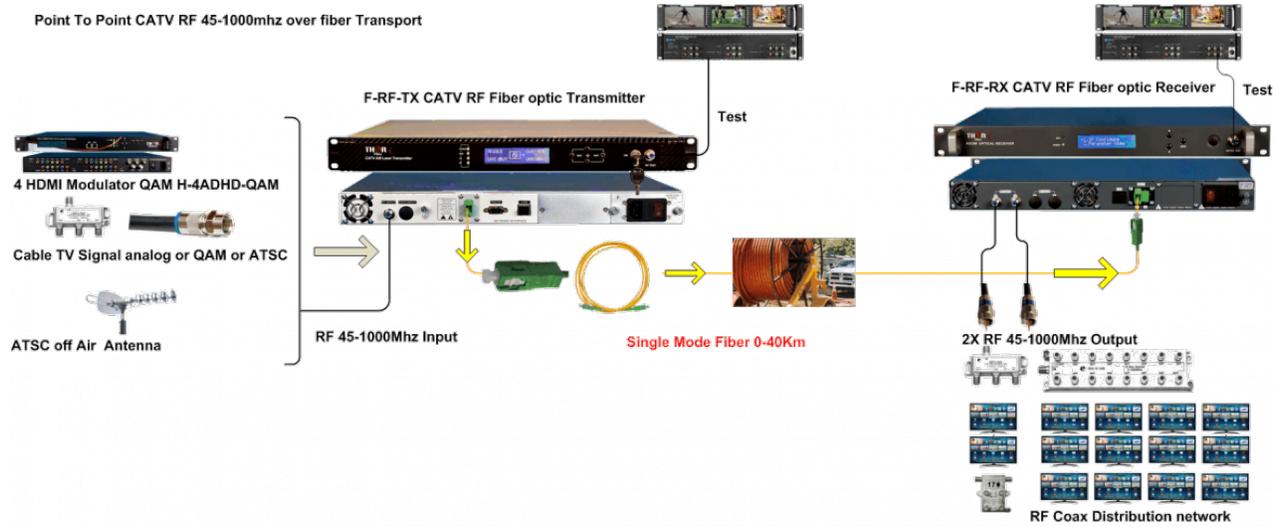
The F-RF-1310-TX-32mW is a professional CATV RF over fiber optical transmitter engineered for high performance HFC and broadband RF distribution systems. The unit converts 45-870 MHz RF signals into a 1310nm optical signal for long distance transport over single mode fiber. Designed with high linearity DFB laser technology, it ensures superior CNR performance and low distortion for both analog and digital CATV applications.



Technical Specifications

RF PARAMETERS	
Frequency Range	45-870 MHz
RF Input Level	80-90 dBuV per channel
Input Return Loss	>16 dB
Flatness	+/-0.75 dB
Impedance	75 Ohm
RF Connector	F-Type
CNR	>=50 dB
CSO	<=-60 dB
CTB	<=-65 dB
MER (Digital)	>=36 dB
OPTICAL PARAMETERS	
Wavelength	1310 nm
Laser Type	High Linearity DFB
Optical Output Power	32 mW (~+15 dBm)
Optical Connector	SC/APC
Fiber Type	Single Mode
Link Distance	Up to 40 km (typical)
Optical Return Loss	>45 dB

Typical Application



Product Page QR Code



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