

TECHNICAL DATASHEET

Thor Optical Mini CATV RF Transmitter

Mini RF Over Fiber Optical Transmitter (45-1000 MHz)



RECEIVER

TRANSMITTER

The Thor Optical Mini CATV RF Transmitter is a compact 1310nm RF over fiber optical transmitter designed to transport RF signals from 45-1000 MHz over single mode fiber. Using a high linearity DFB laser and Automatic Gain Control (AGC), the unit provides stable and low distortion performance for analog and digital CATV distribution systems. Its compact design makes it ideal for small headends, MDUs, and distributed RF fiber transport applications.

Key Features

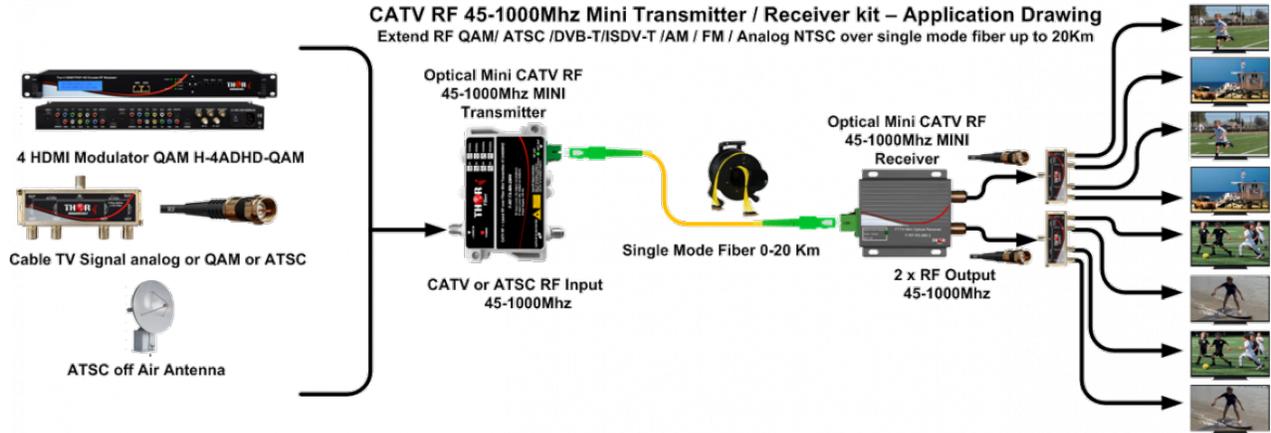
- Compact mini optical RF transmitter design
- 45-1000 MHz full RF band transport over fiber
- High linearity 1310nm DFB laser technology
- Automatic Gain Control (AGC) for stable RF input
- Low noise and low distortion optical transmission
- Compatible with Thor CATV RF over Fiber receivers



Technical Specifications

RF / OPTICAL / MECHANICAL	
RF Frequency Range	45-1000 MHz
RF Input	75 Ohm F-Type
Optical Wavelength	1310 nm
Optical Connector	SC/APC
CNR	> 50 dB
CTB	< -60 dB
CSO	< -57 dB
Flatness	< +/-0.75 dB
Operating Temperature	0 to 45 C
Power Supply	External 12V DC Adapter
Form Factor	Mini Compact Housing

Typical Application



Product Page QR Code



<https://thorbroadcast.com/product/thor-optical-mini-catv-rf-transmitter-45-1000mhz.html>