

## TECHNICAL DATASHEET

### Bi-Directional CATV RF over Fiber System

Forward 45-1000MHz | Return Path 5-42MHz



Thor Bi-Directional CATV RF over Fiber system enables full forward and return path RF transport over single mode fiber. Supports 45-1000MHz forward CATV/ATSC/QAM signals and 5-42MHz return path for cable modem and interactive services. Designed for HFC extensions, MDUs, campuses, stadiums, and long-distance RF transport with electrical isolation.

### Key Features

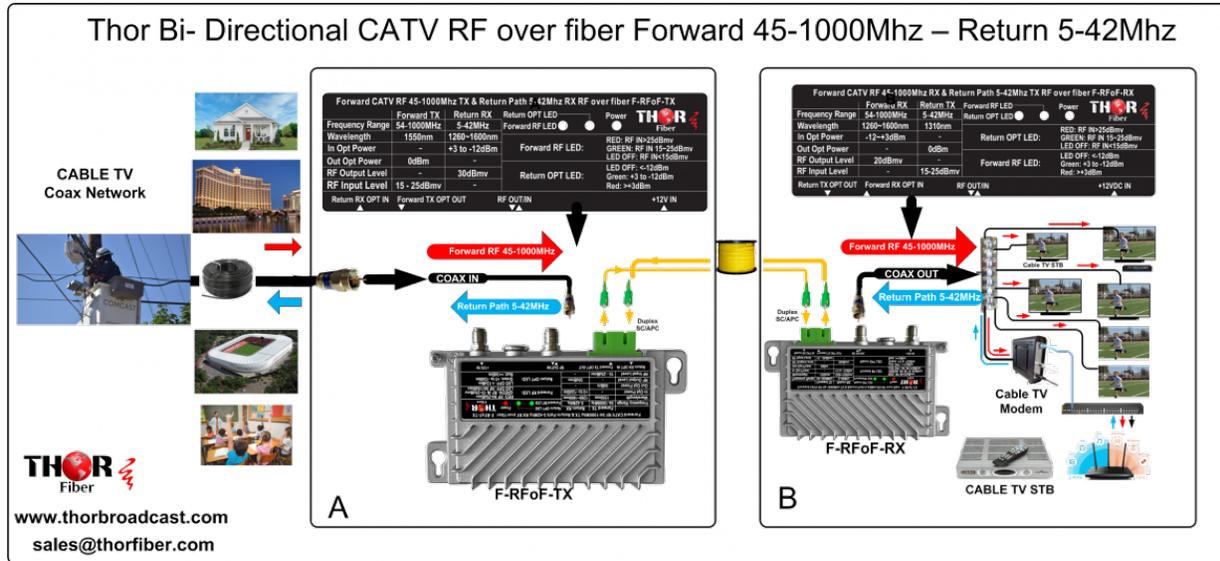
- Forward path: 45-1000 MHz RF transport
- Return path: 5-42 MHz RF transport
- Single mode fiber up to 20km
- Low distortion, high CNR performance
- Supports CATV, QAM, ATSC, cable modem return
- Compact TX/RX outdoor-style enclosures



## Technical Specifications

Forward Frequency Range	45-1000 MHz
Return Frequency Range	5-42 MHz
Optical Wavelength	1310 nm
Fiber Type	Single Mode
Max Distance	Up to 20 km
RF Connectors	75 Ohm F-Type
CNR	> 50 dB
CTB	< -60 dB
CSO	< -57 dB
Power Supply	External DC Adapter
Operating Temperature	-20 to 50 C

## Typical Application



## Product Page QR Code



<https://thorbroadcast.com/product/coax-cable-bi-directional-catv-rf-transmitter-and-receiver-over-fiber-8230.html>