

TECHNICAL DATASHEET

Thor Fiber Optical Mini FTTH RF CATV Receiver

Mini Optical-to-RF CATV Receiver for FTTH Applications



The Thor Fiber Optical Mini FTTH RF CATV Receiver is a compact optical-to-RF receiver designed for fiber-to-the-home and CATV distribution systems. It converts incoming optical signals into RF output for cable television distribution over coaxial networks. The unit features low noise photodiode detection, automatic gain control, and stable RF output for analog and digital CATV services. Its compact rugged design makes it ideal for MDUs, FTTH deployments, and small RF distribution nodes.

Key Features

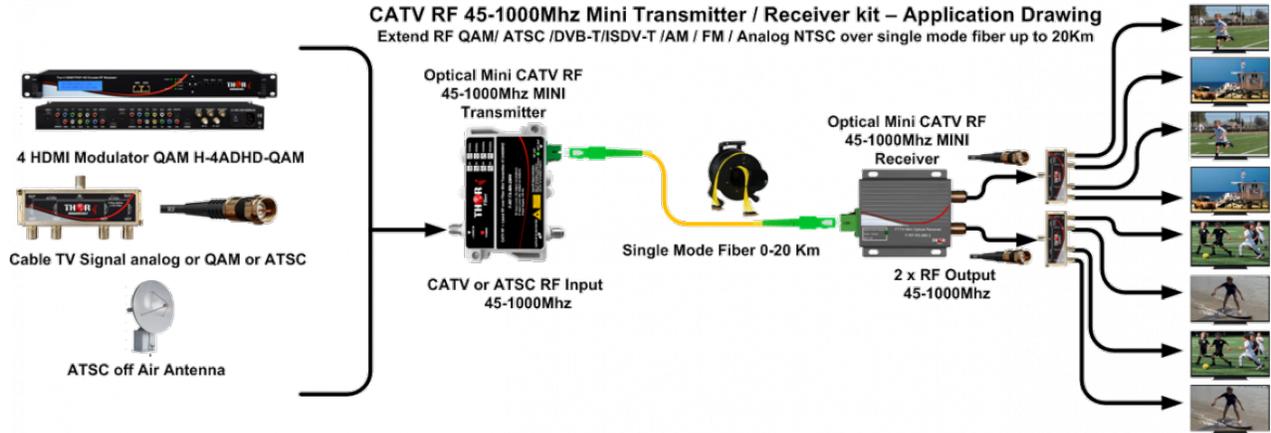
- Compact FTTH mini optical RF receiver design
- Converts optical signal to CATV RF output
- Low noise optical detection with stable RF output
- Automatic Gain Control (AGC) for consistent performance
- High CNR and low distortion for analog and digital CATV
- Ideal for FTTH, MDU, and fiber RF distribution systems



Technical Specifications

RF / OPTICAL / MECHANICAL	
RF Output	75 Ohm F-Type
Optical Input Wavelength	1310 / 1550 nm
Optical Connector	SC/APC
RF Frequency Range	45-1000 MHz
CNR	> 50 dB
CTB	< -60 dB
CSO	< -57 dB
Flatness	< +/-0.75 dB
Optical Input Range	-10 to +2 dBm (typical AGC range)
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-fiber-optical-mini-ftth-rf-catv-cable-tv-receiver-8230.html>