

# FTO-3000-1RW Direct Broadcasting MATV/CATV Fiber Optic Receiver

## Technical Specification

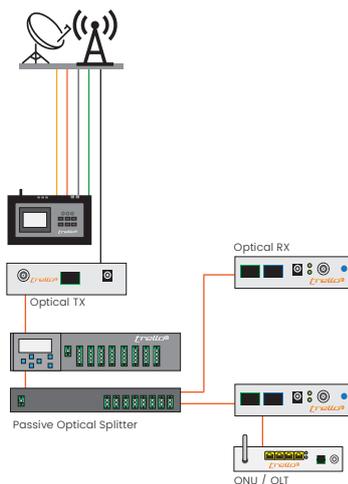
Item	Parameter
Input Optical Wavelength	1000~1600 nm
1550nm Optical Power Input	-17dBm ~ 0dBm
Optical Connector	SC/APC
Optical Return Loss	45 dB
RF Bandwidth	50 ~ 1000 MHz
RF Flatness	± 0.75dB
RF Return Loss	>14 dB
RF Connector	American F Female
RF Output Impedance	75 Ω
AGC Range (Optional)	-10dBm ~ -2dBm Optical Input
AGC Stability	± 2 dB
MGC Range (Optional)	0~20dB RF output level adjustment
RF Output Level	20dBmV @ (-10dBm~-2dBm) (QAM RF, 0dB MGC)
	15dBmV@-13dBm (QAM RF, 0dB MGC)
	>37 dB @ -10dBm (QAM RF)
Digital TV QAM MER	>33 dB @ -13dBm (QAM RF)
	>28dB @-17dBm@40ch QAM RF
Power Supply (default)	12 V 0.5A DC Power Adaptor
Power Consumption	1.5W (Power adaptor not included)
LED Indicator	Power LED: Green when power is on
	Optical Input LED: Green when input power > -15dBm
Working Temperature	-10 ~ +50 °C
Dimension (L*W*H)	106mm ×62mm ×25mm
Weight	0.5 Kg
Output to ONU	
Loss at 1310nm/1490nm	<0.8dB
Isolation (Com-Pass at 1310nm)	Minimum 34dB
Isolation (Com-Pass at 1490nm)	Minimum 34dB
Isolation (Reflect-Pass at 1310nm)	Minimum 40dB
Isolation (Com-Reflect at 1550nm)	Minimum 20dB
Output Connector	SC/UPC
Optical Return Loss	Minimum 40dB

### Features

- Compact plastic flame retarding housing (patent pending)
- High Linearity Photodiode for MATV/CATV RF
- 45~1000MHz (downstream) RF Output
- 1310nm/1490nm Optical Bypass Port to ONU
- DC Power and optical input LED indicator
- Direct broadcasting with Non-cascading Optical Transmitter
- Powered by external power adaptor



### Application



### Ordering Information

Direct Broadcasting Fiber Optic MATV/CATV Receiver, 1550nm and Integrated WDM Transmission Optical Length, SC/APC  
 Order Number: TFO-3000-1WR

#### Other Related Product

Direct Broadcasting Fiber Optic Transmitter, MATV/CATV 1550nm and WDM Transmission Optical Length, SC/APC  
 Order Number: TFO-3000-1T

5 Input Direct Broadcasting Fiber Optic Transmitter, 1550nm and WDM Transmission Optical Length, SC/APC, with Aluminum housing  
 Order Number: TFO-3500-4T

Direct Broadcasting Fiber Optic Quattro Receiver, 1550nm Transmission Optical Length, SC/APC, with Aluminum housing  
 Order Number: TFO-3500-4R

Direct Broadcasting Fiber Optic Quattro Receiver, 1550nm and Integrated WDM Transmission Optical Length, SC/APC, with Aluminum housing  
 Order Number: TFO-3500-4WR

Enterprise Direct Broadcasting Satellite optical amplifier, 1550nm Transmission Optical Length (4, 8, 16, 24, 32 Output Channels)  
 Order Number: FTO-3530-34xx

Enterprise Direct Broadcasting Satellite optical amplifier, 1550nm Transmission Optical Length and Integrated WDM (4, 8, 16, 24, 32 Output Channels)  
 Order Number: FTO-3530-34xx-W