

FTTH CATV

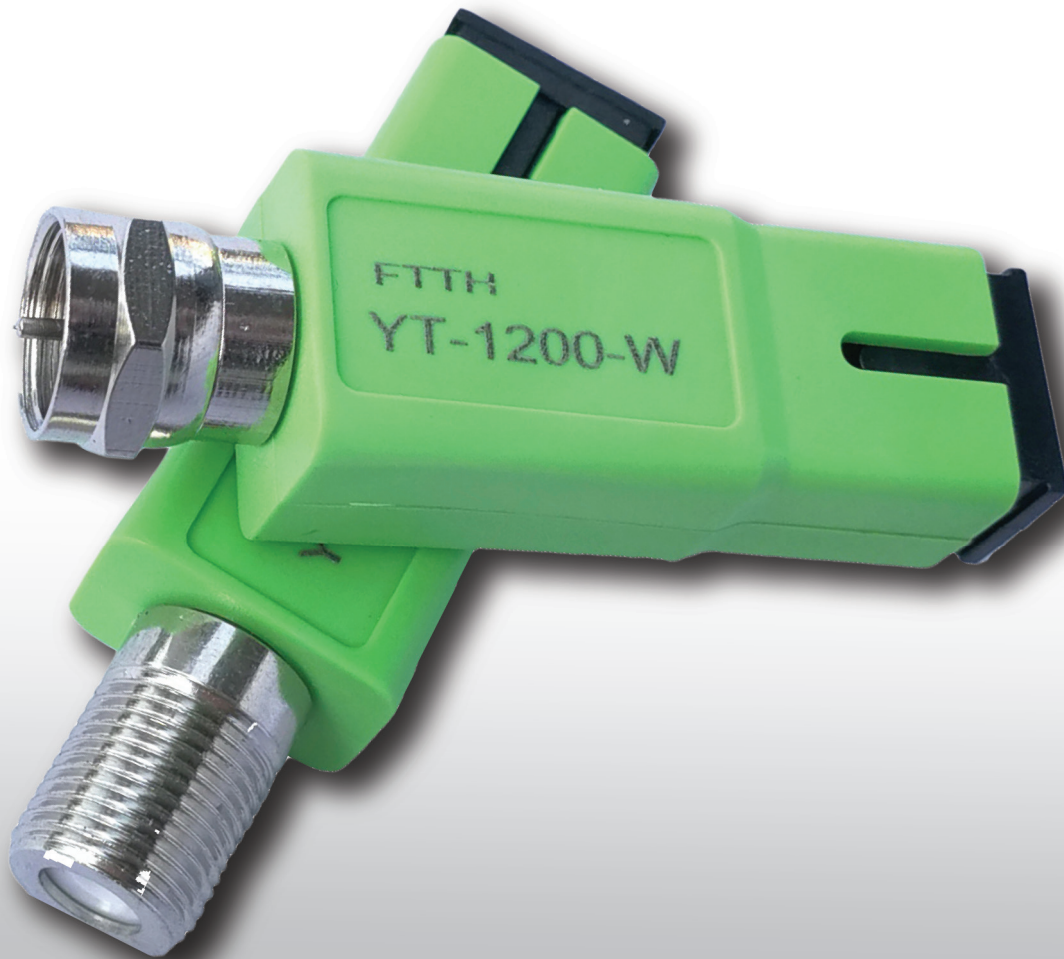


BY FIBER SYSTEM

PRODUCT MANUAL

PASSIVE FTTH OPTICAL MINI NODE

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Product Overview

FTTH CATV optical mini receiver is a mini in-door optical receiver whose RF output level is adjustable. It especially design for FTTP/FTTH application.

High performance, low receiver optical power and lower cost is FTTH solution best selection for MSO.

The Passive Optical Receiver is for a low cost FTTH network. It has photodiodes with high response capacity, patented assembly, high reliability, no power supply and no maintenance.

The model with optical filter and WDM can build all-optical networks based on WDM technology. 1550nm applies for CATV RF and 1310 / 1490nm transmission is for G / EPON.

Main Characteristics



- Optical Connector: SC/APC
- With RF Shielding Protection
- Excellent Linearity and Flatness
- Small and Cute Design for Easy Handling
- Lensed protection and high responsivity PD for more performance

- Designed For FTTH (Fiber To the Home Network)
- PVC Casing (Attractive customized case colours)
- Frequency range 40-1000MHz For CATV End-users

Technical Specifications

Item	Description	Remark
Customer Interface		
RF connector	75Ω F-“Female” connector	
Optical Connector	SC/APC	Can be Customized
Optical Parameter		
Input Optical Power	0~-18dbm	Digital TV
Optical Return Loss		>45db
Optical Receiver Wavelength		1100~1600 nm
Optical Fiber Type		Single Mode
RF Parameter		
Frequency Range		40-1000MHZ
Flatness		±0.5db
Output Level	70 dbuV	0dbm optical input power
Output Impedance	75Ω	
C/N	52 dbc	0dbm optical input power
Other Parameter		
Power Input Voltage	VDC	0
Power Consumption	MA	N/A
Net weight		0.01kg



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