

FTTH CATV



BY FIBER SYSTEM

PRODUCT MANUAL

FTTH MINI NODE OPTICAL RECEIVER

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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.

It can integrate WDM for 1550nm video signal and 1490nm /1310nm data signal in one fiber. Reflection 1490nm/1310nm for connecting ONT device. They are very suitable for PON and TV system

Main Characteristics



- 1 GHz operating bandwidth
- WDM integrated (1490nm/1310nm) PON optional
- RF output level adjustable, 0~ 20dB
- RF connector for type : only female for optical
- DC/V power supply voltage for the device

- Optical AGC range:0 to -15dB
- Wide optical power input range -18~+2dBm
- Low power consumption<1.0W/e.
- High response PIN photoelectric conversion tube, SC/APC&SC/APC, SC/UPC&SC/UPC,

Technical Specifications

Item	Unit	Technical Parameter
Optical Parameter		
AGC Funtion	dBm	-10~0
Optical Emission Loss	dB	>45
Wavelength	Nm	1100~1600
Optical Connector Type		SC/APC
Link Parameter		
(C/N)	dB	≥50
(C/CTB)	dB	≥65
(C/CSO)	dB	≥63
RF Parameter		
Frequency Range	MHz	45~1000
Flatness in Band	dB	±0.5 (45-550MHz) ; ±0.75 (550-750/862/1000MHz)
Output Power	dBμV	65~85(±10 dBμV)
WDM	nm	1550/1490/1310



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