

FTTH CATV Optical Receiver

This FTTH CATV optical receiver is compatible with GPON and EPON FTTx PON technology. It converts optical signals to RF signals for CATV distribution.



Overview

High-Performance FTTH CATV Receiver

This optical receiver is designed for fiber-to-the-home (FTTH) networks, ensuring seamless compatibility with GPON, EPON, and other FTTx PON technologies. It leverages advanced GaAs MMIC amplifier technology to deliver excellent linearity, flatness, and ultra-low noise performance. Engineered for reliability and ease of installation, this unit provides high-quality video signal distribution over fiber optic infrastructure.

Key Features

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GaAs MMIC Amplifier, Ultra Low Noise, High Linearity, Excellent Flatness, Compact Design, Wide Input Power Range

Customer Interface

Connectivity

Interface Type	Specification
RF Connector	F-female
Optical Connector	SC/APC or FC/APC
Power Supply	DC2.1

Optical Parameter

Performance Metrics

0.9 A/W
Responsivity

Input Power Range	-10 to +3 dBm
AGC Operation Range	-7 to +2 dBm

Status Indicators

Optical Power LED Logic

- Red: Optical power < -10dBm
- Green: -10dBm < Optical power < +3dBm
- All Lighted: Optical power > +3dBm