

FTTH CATV Single Fiber Optical Receiver with AGC

This optical receiver converts fiber signals into radio frequency signals for amplification in FTTH networks. It supports image, sound, and data transmission.



ADDITIONAL IMAGES



Overview

High-Performance FTTH Optical Receiver

This high-performance optical receiver is specifically designed for Fiber-to-the-Home (FTTH) CATV networks, efficiently converting fiber signals into radio frequency signals. Featuring Automatic Gain Control (AGC) and a durable tensile aluminum alloy shell, it ensures stable output levels and superior signal shielding. Its compact design and ability to handle both standard and ultra-low optical input power make it an ideal, cost-effective solution for delivering high-quality image, sound, and data services in broadband integrated networks.

Key Features

AGC (Automatic Gain Control), Single Fiber Operation, Aluminum Alloy Shell, High Reliability, Broadband Compatible

Optical Performance

Input Power Range

-8 dBm

Min Input

2 dBm

Max Input

Connector Compatibility

FC/APC • SC/APC

Wavelength Range

1100 ~ 1600 nm

Optical Emission Loss

45 dB

Signal Quality

Link Parameter Performance

Parameter	Minimum Value
C/N	e50dB
C/CTB	e65dB
C/CSO	e63dB

Technical Specifications

Attenuation Adjustment

- -10 dB
- -20 dB

Status Indicators

- Red Light: < -4 dBm
- Green Light: > -4 dBm
- Light On: Power Normal

Frequency Range	40-1000 MHz
Output Power	65 ~ 85 dBm
Power Supply	9 V DC