

# FTTH CATV Mini Optical Receiver

This mini optical receiver is designed for FTTH CATV networks. It converts optical signals into RF signals for distribution.



## ADDITIONAL IMAGES



## Overview

### High-Performance FTTH Optical Receiver

This mini optical receiver node is engineered specifically for Fiber to the Home (FTTH) CATV networks, providing a compact and reliable solution for signal conversion. It effectively receives optical signals and converts them into high-quality RF signals for distribution over coaxial networks. With integrated AGC (Automatic Gain Control) technology, it ensures stable output levels, making it an ideal choice for professional fiber optic CATV installations.

## Optical Performance

### Input Power Range

**-8 dBm**

Min Input

**2 dBm**

Max Input

### Wavelength Range

1100 ~ 1600 nm

### Connector Type

FC/APC, SC/APC

## RF Performance

### Frequency Range

45 ~ 862 MHz

### Rated Output Level

108 dB $\mu$ V

### Output Resistance

75  $\Omega$

### In-band Flatness

$\pm 0.75$  dB

## Link Parameters

### Link Performance Metrics

Parameter	Minimum Value
C/N (@-2dBm)	54 dB
C/CTB	65 dB
C/CSO	63 dB

## Reverse Transmission

Reverse Wavelength	1310 nm
Reverse RF Range	5 ~ 65 MHz

## General Characteristics

Operating Temperature	-40 to 60 °C
Storage Temperature	-40 to 65 °C