

Mini FTTH Optical Receiver

This mini optical receiver is applicable to GPON and EPON networks. It is compatible with any FTTx PON technology.



Overview

High-Performance FTTH Receiver

This high-performance Mini FTTH optical receiver is engineered for reliable Fiber To The Home (FTTH) network applications. It utilizes advanced GaAs amplifier technology to ensure excellent linearity and flatness, providing high-quality signal distribution. Designed for ease of installation, this compact device supports a wide range of optical input power and features intuitive LED indicators for both power and optical signal status.

Key Features

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FTTH Compatible, GaAs Amplifier, Ultra Low Noise, High Return Loss, Compact Design, LED Status Indicators

Optical Specifications

Optical Performance Metrics

0.9 A/W
Responsivity

45 dB
Return Loss

Input Specifications

-10 to +3 dBm (Power), 1260 to 1600 nm (Wavelength)

RF Specifications

RF Output Characteristics

Parameter	Value
Frequency Range	47-1000 MHz
Flatness	±0.75 dB
Output Level	e80dBμ
CNR	e50dB
Output Impedance	75 Ω

Physical & Power

Power Supply	12 VDC
Power Consumption	2 W
Dimensions	75 x 63 x 17 mm

Connectivity

Interface Types

- RF Connector: F-female
- Optical Connector: SC/APC or FC/APC