

FTTH WDM Passive Optical Receiver

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



Overview

FTTH WDM Passive Optical Receiver

This FTTH WDM Passive Optical Receiver is engineered for high-performance fiber-to-the-home networks. It features a passive design that operates without an external power supply, simplifying installation and reducing maintenance. With integrated WDM technology, it efficiently handles 1310nm/1490nm optical bypass for ONU connectivity while converting 1550nm signals to RF for CATV services.

Key Features

Network Compatibility	GPON, EPON, GEPON, FTTH
Power Requirements	Passive (No power supply required)

Optical Performance

Optical Metrics

-10 dBm

Min Input Power

0 dBm

Max Input Power

0.9 A/W

Responsivity

Wavelength Specifications

Function	Wavelength
Receive Wavelength	1550nm
Bypass Wavelength	1310/1490nm

Physical Specifications

Fiber Specifications

- Fiber diameter: 3mm
- Fiber length: 500mm

Output Specifications

Output Level	65 dBuV
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