FTTB Optical Receiver

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

Product Overview

FTTB Optical Receiver Series

This high-performance FTTB (Fiber To The Building) optical receiver is designed for seamless integration into various FTTx PON network architectures, including GPON and EPON technologies. Engineered for reliable signal conversion, it supports a broad range of optical input powers and features adjustable AGC for optimized performance. The series offers multiple models to suit specific deployment requirements, ensuring flexibility and robust connectivity for fiber-optic infrastructures.

Optical Parameters

Max. Optical Input Power	-9 to +2 dBm
Optical AGC Range	+2 to -9/-8/-7 dBm (Adjustable)
Responsivity	0.9 A/W
Optical Return Loss	45 dB

Connectivity

Optical Input Connector	SC/APC
PON Connector Type	SC/UPC or SC/APC

Performance

Operating Wavelength Range

Model Series	Wavelength (nm)
ORB-1080A / ORB-1080A-J	1100-1600
ORB-1080AF / ORB-1080AF-J	1545-1563
ORB-1080AW / ORB-1080AW-J	1539-1565

PON Pass Through Wavelengths

- 1260-1360 nm
- 1480-1500 nm

Service & Support

Warranty	1-2 Years
Quality Standards	Strict QC, Defective Rate < 0.2%