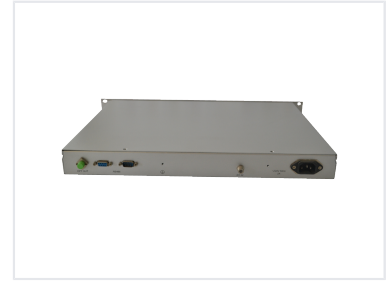


1550nm Optical Fiber Transmitter

This 1550nm optical transmitter is designed for transmitting TV signals over long distances or to multiple optical nodes. When paired with an erbium-doped fiber amplifier (EDFA), it can transmit signals up to 30 kilometers while maintaining good CNR, CSO, and CTB indicators.



ADDITIONAL IMAGES



Overview

High-Performance 1550nm Optical Transmission

The YOT series optical transmitter is engineered for high-quality TV signal transmission over long distances or to multiple optical nodes. Utilizing advanced DFB lasers and a digital driver circuit, it maintains excellent CNR, CSO, and CTB indicators even when transmitting signals up to 30 kilometers. This rack-mountable solution is ideal for FTTH, FTTB, and FTTX CATV applications requiring reliable signal distribution.

Key Features

System Advantages

- Automatic Gain Control (AGC) function for optical controlling
- Adjustable output levels for network flexibility
- Wide bandwidth support up to 1200MHz
- Microprocessor-controlled monitoring system
- Double outputs for covering networks and insertion programs

Optical Performance

Optical Specifications

1550 nm Standard Wavelength	45 dB Min. Return Loss	30 km Transmission Distance
Operating Wavelength Range	1100nm ~ 1600nm	
Optical Input Power	-8 to +2 dBm	
Connector Options	FC/APC, SC/APC, SC/ZPC	

RF & Link Parameters

Signal Quality Indicators

Parameter	Unit	Value
C/N (Carrier-to-Noise)	dB	e50
C/CTB (Composite Triple Beat)	dB	e65
C/CSO (Composite Second Order)	dB	e63

Frequency Response Range	47-860 (1000) MHz
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RF Input Level	75-85 dBuV
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Hardware & Interface

Status Indicators

Laser • Alarm • RF • ARM • AGC

Power Voltage	110-254 VAC (50Hz)
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Available Ports	RF IN, RF Test (-20dB), OPT OUT, RS485, AC Power Input
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