

1550 optical transmitter input level



Overview

CSO, CTB: 59CH PAL-D CW loading, PHOTON standard Receiver, 10km optical fiber, -1dBm optical input power, 80dB input level at 870MHz, 3.6% OMI) The Prisma II optical network is an advanced transmission system designed to optimize network architectures and increase reliability, scalability, and cost-effectiveness. With the advantages of performance, cost and volume, the application field has been gradually extended to CATV optical transmission system in recent years, which is used to replace direct modulation optical transmitter and external. Thus, we create the 1550nm directly modulated optical transmitter with electronically controlled dispersion compensation. With two RF inputs and high isolation, it enables the signal transmission of QAM and IPQAM smoothly. Maxcom incorporates a high linearity and a low chirp DFB laser, built-in pre-distortion compensation and AGC, APC, ATC closed loop control, which improve the performance index. It may be used in AGC or MGC control makes the optical modulator maintain a suitable input level.



Article Content

Hot

1550nm Direct Modulation Optical Transmitter · MX-T1500A Series

It may be used in a FTTx application for transmitting Digital QAM CATV and DOCSIS RF signals over fiber. Optimized for networks under 30km using an EDFA. This transmitter may also be ordered with

Dec 08, 2025 Hot

1550nm Internal Modulation Optical Transmitter

Softel has been engaged in 1550nm Internal Modulation Optical Transmitter for several years, and this 1550nm Transmitter is used mainly for CATV Fiber Network.

Apr 05, 2026 Hot

1550nm external modulated optical transmitter operating manual

The core of transmitter is the optical modulator. The 1550nm signal input the optical modulator, make the laser intensity changed follow the external RF signal voltage, and then generate the AM optical signal.

May 06, 2026 Hot

AirLive XPON OT-CATV-1550nm

This cutting-edge device utilizes advanced direct modulation techniques, operating at a 1550nm wavelength to deliver exceptional signal quality and long-distance transmission capabilities.

Jan 18, 2026 Hot

HF200-3615E(External 1550nm Transmitter)Datasheet-V1.0

The transmitter provides standard RJ 45 port for remote control, Datasheet support SNMP and adjust the AGC,SBS and OMI. The transmitter provides RS232 standard interface for the local network

Aug 31, 2025 Hot

HF200-3615E(External 1550nm Transmitter)Datasheet-V1.0

HF200-3615E series External Modulated Optical Transmitter is the preferred product of broadband transmission system and large capacity CATV optical transmission system network.Mainly using in

Jan 07, 2026 Hot

Cisco 10GBASE SFP+ Modules Data Sheet

The Cisco 10GBASE SFP+ modules give you a wide variety of 10 Gigabit Ethernet connectivity options for data center, enterprise wiring closet, and

Aug 06, 2025 Hot

What Is a 1550nm Optical Transceiver and How Does It

Discover how a 1550 nm optical transceiver converts electrical signals into light for long-distance fiber links. Learn its benefits, tech specs, and LINK-PP

Sep 06, 2025 Hot

For CATV Duel Input Fiber Optical Transmitter

FIBER NXT T-401 series of advanced 1550nm directly modulated Duel INPUT optical transmitter, is mainly used in overlay insert systems to implement high-value and

Aug 30, 2025 Hot

1550nm DFB Laser Transmitter Manual | PDF | Power

This document provides an overview and instructions for an internal modulation optical transmitter for CATV transmission. It includes: 1) Key features such as a

Jul 24, 2025 Hot

1550nm Internal Modulation Optical Transmitter

ST1550I Series transmitters are Class III laser products. Use of controls, adjustments, and procedures other than those specified herein may result in

Jan 08, 2026 Hot

optical transmitter receiver wholesalers and optical transmitter ...

Optical Transmitter with 2 optical output, 1RF input and 1 optical output Output unchanged to supply convenience for user test. OR20 (WDM) style FTTH Mini 1310/1490/1550 nm FWDM Fiber Optic

Sep 22, 2025 Hot

1550nm External Modulation Optical Transmitter

We Softel has been specialized in 1550nm External Modulation Optical Transmitter for years based on it's high performance and wide use.

Aug 23, 2025 Hot

OPTICAL TRANSMITTER

The product meets the requirements governing the CE marking. The declaration of conformity is available on the website

Dec 24, 2025 Hot

ZP-OT-1550E 1550nm externally modulated optical transmitter

ZP-OT-1550E series 1550nm externally modulated optical transmitter adopts low-noise 1550nm DFB laser, LiNbO₃ external modulator, advanced pre-distortion technology and perfect microprocessor

Jun 06, 2026 Hot

FACT SHEET:EG1550TX FIBER OPTIC TRANSMIT

EG1550TX Series Fiber Optical Transmitter Description The Electroline EG1550TX series is a family of high performance 1550 nm externally modulated transmitter for FTTx, RFoG, or HFC access network

May 09, 2026 Hot

1550nm Directly Modulated Optical Transmitter

Thus, we create the 1550nm directly modulated optical transmitter with electronically controlled dispersion compensation. It supports up to 1.2GHz band and DOCSIS 3.1 system. With two RF

Jul 18, 2025 Hot

Quality 1550nm Optical Transmitter Manufacturer in China

Product Overview PL1510A 1550nm optical transmitter is designed by Premlink that work in cable television networks and to transmit TV signals over lengths of up to

Jun 02, 2026 Hot

1550nm Optical Transmitter (DML/EML) | CATV Fiber Optic Transmitter

The 1550 Optical Transmitter uses an electrical input signal and converts it into an optical signal through a process called modulation. The optical signal is then transmitted over a fiber optic cable.

Jul 22, 2025 Hot

WT-1550-EMLDigital1550nmEMLexternalmodulationopticaltransmitter

1. Product Overview Electro absorption externally modulated laser (EML) is an integrated device of EAM and DFB laser. With the advantages of performance, cost and volume, the application

Mar 06, 2026 Hot

Directly Optical Transmitter uses 1550nm DFB laser

Directly Optical Transmitter V8610TD 19-inch rack mount structure, high linearity and low noise 1550nm DFB laser, and state of the RF control circuits, pre-distortion.

May 11, 2026 Hot

WT-1550-EMLDigital1550nmEMLexternalmodulationopticaltransmitter

lated laser (EML) is an integrated device of EAM and DFB laser. With the advantages of performance, cost and volume, the application field has been gradually extended to CATV optical

Dec 23, 2025 Hot

CATV 1550nm Directly Modulated Optical Transmitter

The high cost of 1550nm external modulated transmitter and dispersion effects of 1550nm directly modulated make network transformation difficult. Thus we create

May 30, 2026 Hot

Data Sheet

Prisma II1550 nm Transmitters The Prisma II optical network is an advanced transmission system designed to optimize network architectures and increase reliability, scalability, and cost

Jun 10, 2026 Hot

WT-1550-EM30 series Optical Transmitter

WT-1550-EM30 series transmitter has 7 function modules: RF control, DFB laser, optical modulator, SBS control, CSO control, communication/display control and power supply. Automatic gain control

Jul 06, 2025 Hot

1550nm Direct Modulated Optical Transmitter

The 1550nm direct modulated AGC optical transmitter offers a cost-effective solution delivering balanced high output power performance for your analog & digital

Dec 14, 2025 Hot

1550nm External-Modulated Optical Transmitter

inches 1RU rack-mount chassis Power supply: Single -48V DC 485 x 490 x 45 19.3 x 19.1 x 1.77

Oct 31, 2025

Contact Us

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