

1550 Optical Transmitter Solution



Overview

Its powerful 1550nm external modulation optical transmission system is the ultimate solution for distance and wide-area coverage, and is the perfect choice for any large or medium-sized network. Designed for long distance transmission and local network coverage, it is widely used in optical modulation, optical insertion, wavelength-division multiplexing (WDM), as. 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 transmission system in recent years, which is used to replace direct modulation optical transmitter and exter ing. The Prisma II optical network is an advanced transmission system designed to optimize network architectures and increase reliability, scalability, and cost-effectiveness. Prisma II 1550 nm Transmitters offer the ultimate in network architecture flexibility with products designed specifically for. QFRF's 1550nm externally modulated optical transmitter. Whether for optical modulation and insertion in. According to the Next Generation Broadcasting (NGB) planning and PON standards, 1550nm is defined as the transmission wavelength for HFC downstream.



Article Content

Jun 03, 2026

1550 nm Fiber Optic Transmitters, Receivers, Transceivers

1550 nm Fiber Optic Transmitters, Receivers, Transceivers are available at Mouser Electronics. Mouser offers inventory, pricing, & datasheets for 1550 nm Fiber Optic Transmitters, Receivers, Transceivers.

Mar 31, 2026

HT8500A 1550nm Externally Modulated Optical Transmitter

Huatai HT8500A second-grade service area 1550nm Externally Modulated Optical Transmitter, with its high index, high reliability and outstanding P/P ratio, is an ideal choice for second-grade service area.

Oct 26, 2025

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

The 1550 Optical Transmitter is a device that converts electrical signals into optical signals, allowing for long-distance transmission of data. It is commonly used in telecommunications networks and fiber

Aug 14, 2025

WT-1550-EML Digital 1550nm EML external modulation optical

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 18, 2025

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.

Apr 08, 2026

1550+PON FTTH solution

Adopting 1550 GEPON technology to construct a metropolitan area network is very suitable for the development of wired broadband. GEPON is multiplexed on the 1550 cable TV optical transmission

Jul 12, 2025

1550 Optical Transmitter: High-Performance Solutions

Discover top 1550 optical transmitters with low chirp design, DFB laser source, and SNMP management. Find reliable suppliers, compare specs, and click to explore high-performance

Jun 27, 2025

1550nm Externally Modulated Optical Transmitter

Product Overview The 1550nm externally modulated optical transmitter is designed exclusively for fiber optic communication. Its major function is to transform

Mar 12, 2026

1550 nm Optics for Laser Communication

Explore the advantages of 1550 nm optics for laser communication. Unlock ultra-fast data transmission capacities for challenging environments.

Apr 04, 2026

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 04, 2026

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.

Nov 16, 2025

Optical transmitter tunable over a 65-nm wavelength range around 1550 ...

The ability to create phase-controlled pulses of light with wavelength tunability has applications spanning quantum and classical communications networks. Traditionally, optical

Oct 13, 2025

1550nm DFB Laser Transmitter Manual | PDF | Power

1550nm DFB Laser Transmitter Manual This document provides an overview and instructions for an internal modulation optical transmitter for CATV transmission. It

Oct 11, 2025

1550nm Direct Modulation Optical Transmitter: A Key

A 1550nm direct modulation optical transmitter is a device that converts electrical signals into optical signals at a wavelength of 1550

Sep 08, 2025

1550nm TV Transmitter Externally Modulated CATV

ST1550E Optic transmitter is usually used for long-distance transmission. By ITU-T wavelength, access to a broadband PON Network is easily implemented, or

Aug 06, 2025

1550nm External Modulated Optical Transmitter

A cost-effective solution delivering balanced high-output power performance for your analog & digital CATV networks. With the use of Lithium Niobate Modulation

Apr 14, 2026

Data Sheet

Prisma II 1550 nm Transmitters The Prisma II optical network is an advanced transmission system designed to optimize network architectures and increase reliability, scalability, and cost

Sep 02, 2025

1550 Nm Optical Transmitter at ₹ 20000

SNL Tech Solutions Pvt. Ltd. - Offering 1550 Nm Optical Transmitter, Fiber Optic Transmitter in Bengaluru, Karnataka. Also get Optical Transmitter price list from

Mar 16, 2026

1550 nm XMOD transmitters

The externally modulatable (XMOD) 1550 nm laser transmitters of the AT5100 series have 2 equivalent outputs. The transmitters offer a flexible, scalable solution for the optical transmission of high-quality

Sep 23, 2025

1550nm Externally Modulated Optical Transmitter

Its powerful 1550nm external modulation optical transmission system is the

Jan 07, 2026

The key role and technical advantages of 1550nm optical transmitters

In the realm of modern telecommunications and data transmission, optical transmitters play a crucial role in enabling high-speed, long-distance communication. Among these, the 1550nm optical transmitter

Sep 09, 2025

How to Choose the Best 1550 Optical Transmitter for Long-Haul Fiber ...

The growing demand for high-capacity, long-reach optical networks has significantly increased the adoption of 1550 optical transmitters. With the expansion of 5G backhaul, cloud

Jun 23, 2026

HT8500T 1550nm Externally Modulated Optical Transmitter, optic transmitter

1550nm externally modulated optic transmitter technology has no laser chirp, low dispersion distortion, and great extinction rate, with excellent characteristic within 47~862MHz. External Modulator doesn't

Apr 27, 2026

1550nm Externally Modulated Optical Transmitter

Designed for long distance transmission and local network coverage, it is widely used in optical modulation, optical insertion, wavelength-division multiplexing

Dec 29, 2025

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

Aug 05, 2025

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

Mar 02, 2026

OPT-TX 1550

OPT-TX 1550 Code 270669 Transmitters Fracarro's innovative Home Fiber solution is designed to provide easy installation from the headend to the wall outlet. The

Aug 22, 2025

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

Contact Us

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