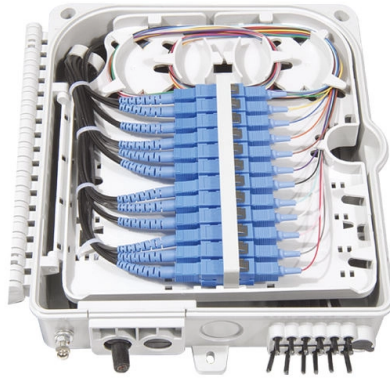


ATC Optical Transmitter



Overview

1550nm Externally Modulated Optical Transmitter for Long-Distance Transmission, Primarily used in medium to large cable TV headend, backbone networks, metro networks, and long-distance transmission. OM-TxCxxxNF-OW0x has ultra-low noise performance, integrated TEC, APC, ATC; 1530nm-1635nm compatibility, frequency range of 10MHz-21GHz; suitable for high-sensitivity scenarios, support for extreme environments, support for complex modulation signals, excellent stability Features Applications. Pricing (USD) Filter the results in the table by unit price based on your quantity. High Quality: The innovative dual microwave source technology, combined with RF pre-distortion. Lightem 1310nm direct modulation optical transmitter, adopts high linearity DFB laser of famous brand in the world, and builds-in perfect pre-distortion adjustment circuit and laser APC, ATC closed loop control circuit. It provides 4~10-way high-linearity optical power output. It can connect 4~10 units of high-power FTTB EDFA As this product comes standard without an EDFA, each. This highly dynamic DWDM analog optical transceiver contains both Tx and Rx components. It operates from 10 MHz to 18 GHz with APC/ATC for applications such as antenna remote control, satellite communications, delay lines, distributed antenna systems, and broadband wireless communications.

Article Content

Jul 07, 2025

Automatic Temperature Compensation (ATC)

Optical refractometers use a linear automatic temperature compensation which achieves satisfactorily accurate results and in given temperature range is not therefore necessary to add any corrections.

Jul 18, 2025

CATV Transmitter 1310nm Outdoor type - Lightem

Lightem 1310nm direct modulation optical transmitter, adopts high linearity DFB laser of famous brand in the world, and builds-in perfect pre-distortion adjustment

Aug 08, 2025

Coaxial Analog Optical Transmitter with TEC | YB

OM-TxCxxxNF-OW0x has ultra-low noise performance, integrated TEC, APC, ATC; 1530nm-1635nm compatibility, frequency range of 10MHz-21GHz; suitable for

Jul 02, 2025

CATV Fiber Optic 1550nm Transmitter – Direct Modulated

The Maxcom MX-T1500A is a 1550nm direct modulation optical transmitter with high index and AGC function. Maxcom incorporates a high linearity and a low chirp

Dec 11, 2025

Aging and environmental tolerance of an optical transmitter for the ...

The dual channel Miniature optical Transmitter (MTx) is developed for the ATLAS Phase-I upgrade requiring durable performance in the Large Hadron Collider environment. The data

Jun 17, 2026

ATC-277MM User's Manual | PDF | Networks | Digital

ATC-277MM User's Manual - Free download as PDF File (.pdf), Text File (.txt) or view presentation slides online. The document describes a high-speed fiber optic

May 04, 2026

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.

Jul 23, 2025

Shenzhen Photon Broadband Tech Co., Ltd. -1310nm

AGC/ATC mechanism provides protection to laser and ensures the performance and stability module and feedback to intelligent system platform. This ensures the

Jun 04, 2026

WS-77LT1300 Optical Transmitter China

WS-LT1300 1550nm optical transmitter is designed according to CATV standard. It modulates CATV RF amplitude signal into 1550nm optical signal and then transmits it to optical node in HFC network

Feb 09, 2026

Astel Optical Transmitter

Main Features: 1) Dual RF Input. 2) DFB Laser. 3) Input Frequency range is 47-862 MHz. 4) ATC (Auto Temp Control) circuit helps DFB to performs at optical Temperature extending laser 5) life span and

Jan 26, 2026

ATC-1500 series 1550nm External Modulated Optical Transmitter

1550nm Externally Modulated Optical Transmitter for Long-Distance Transmission, Primarily used in medium to large cable TV headend, backbone networks, metro networks, and long-distance

Mar 16, 2026

Air Traffic Control (ATC) Transponder

Air Traffic Control (ATC) and Traffic Alert and Collision Avoidance System (TCAS) have a combined control panel. The four-digit aircraft identification code is

Mar 27, 2026

Search results for: ATC Fiber Optic Transmitters, Receivers ...

Fiber Optic Transmitters, Receivers, Transceivers ADTRAN Compatible TAA 1000Base-CWDM SFP Transceiver (SMF, 1510nm, 80km, LC, DOM) Learn More about Amphenol ProLabs transceivers

Sep 18, 2025

1550nm Direct Modulation Optical Transmitter · MX-T1500A Series

The Maxcom MX-T1500A is a 1550nm direct modulation optical transmitter with high index and AGC function. Maxcom incorporates a high linearity and a low chirp DFB laser, built-in pre-distortion

Dec 29, 2025

CATV Fiber Optic 1550nm Transmitter

The MX-T8500HC, an advanced type externally modulated optical transmitter with high index, high reliability and excellent cost performance, is applicable for

Dec 24, 2025

CATV 1310nm Fiber Optic Transmitter

The Maxcom MX1000T is a 1310nm direct modulation optical transmitter with high index and AGC function. Maxcom incorporates a high linearity and a low chirp

Feb 07, 2026

EM40-SKYASTAR TECHNOLOGIES (ZHUHAI) LTD

Integrated optical monitor and alarm function both Tx and Rx APC (Automatic Power Control) and ATC (Automatic Temperature Control) circuits maintain small vibration of output optical power and IIP3

Jan 17, 2026

Air Traffic Control

ScioTeq ATC displays are designed for optimum reading quality, reliability, and user comfort and even exceed the specifications imposed by the ATC community.

Dec 19, 2025

VHF and UHF digital radios for Air Traffic Control | Jotron

Jotron's VHF and UHF secure by design ATC radios deliver top RF performance and digital signaling. See all our radio systems.

Sep 03, 2025

MT07-SKYASTAR TECHNOLOGIES (ZHUHAI) LTD

Product Features Low noise, use coaxial optical device with TEC Support ITU C Band Wide operating frequency from 10MHz to 21GHz APC& ATC functions Flat frequency response High dynamic range

Oct 04, 2025

Radar Theory and Teardown of Aircraft Transponder RT

ATC therefore needs the altitude information. Transponder to the rescue The transponder (TRANSmitter-resPONDER) was invented to tackle the

May 04, 2026

Air Traffic Control (ATC) radars | Thales Group

In an increasingly congested airspace, civil and military ATC missions have become more complex. Thales' primary (PSR) & secondary (SSR) surveillance radars provide enhanced situational

Sep 02, 2025

HT1500A 1550nm Direct Modulated Optical Transmitter

Optical Transmitter product - Huatai is the well-known manufacture in optical transmitter in the world.

Aug 28, 2025

18GHz High Dynamic DWDM Analog Optical Transceiver

This highly dynamic DWDM analog optical transceiver contains both Tx and Rx components. It operates from 10 MHz to 18 GHz with APC/ATC for applications such as antenna remote control, satellite

Jan 08, 2026

TOST Optical Satellite Transmitter with AGC

The transmitter is an installer friendly plug-and-play solution thanks to built-in Automatic Gain Control (AGC) and Automatic Slope Control (ASC) of the RF inputs. The TOST consists of two separate

Feb 13, 2026

1550nm RF CATV Externally Modulated Fiber Optic

Since Thor Fiber uses the best internal components, our Optical Transmitters provide excellent APC, ACC, and ATC control, while featuring an ideal design that vastly

Nov 06, 2025

Air Traffic Control Radio

CM-300/350 Air Traffic Control Radios The CM-300/350 Series Version 2 radios are the latest additions to the General Dynamics family of Air Traffic Control (ATC)

Sep 12, 2025

Coaxial Analog Optical Transmitter with TEC | YB

Coaxial Analog Optical Transmitter with TEC Optical Transmitter Low noise TEC C Band APC& ATC functions Model OM-TxCxxxNF-OW0x Tags Optical

Sep 03, 2025

Chapter 9 | The Air Traffic Control System

This chapter covers the communication equipment, communication procedures, and air traffic control (ATC) facilities and services available for a flight under instrument flight rules (IFR) in the National

Oct 02, 2025

TOCT Optical Combined Transmitter with AGC (Satellite + Terrestrial)

TOCT - TRIAX Optical Combined Transmitter is the core component on headend side of the TOF (Triax Optical Fibre) system. This unit converts RF Wideband or Quatro SAT-IF and terrestrial FM, DAB,

Contact Us

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