

AGC optical transmitter

Overview

Perfect for RFoG solutions, and as RF Overlay transmitter on GPON networks. Produces an optical signal in the 1550 nm-window modulated by the RF input signal (47 MHz - 1100 MHz). Equipped with automatic gain control (AGC). The 1550nm direct modulated AGC optical transmitter offers a cost-effective solution delivering balanced high output power performance for your analog & digital CATV networks. Based on high linear distributed feedback and a thermoelectric DFB laser designed for transmission of multiple channel TV. TOCT - TRIAX Optical Combined Transmitter is the core component on headend side of the TOF (Triax Optical Fibre) system. Furthermore, it is stable in terms of temperature, thanks to the laser temperature control circuit. Perfect for RFoG. The automatic gain control (AGC) function ensures that the signal gain of existing channels is not affected when wavelengths are added in a WDM system, or when one or more wavelengths are dropped or the optical power fluctuates. In this way, services carried on a WDM network will not be affected.



Article Content

Apr 17, 2026

CL-870-T, 1310 or 1550nm Direct Modulated AGC Optical Transmitter

The CL-870-T direct modulated optical transmitter can be used in FTTx (10Km) of second-grade service area (Sub-HE) and can also

Nov 14, 2025

234811 Optical Transmitter 1550nm 10 dBm + AGC

234811 Optical Transmitter 1550nm 10 dBm + AGC Transmitter that generates an optical output of 1550 nm, modulated by the

Nov 02, 2025

TOST Optical Satellite Transmitter with AGC | Triax

Discover Dsolutions' Triax Optical Transmitter - TOST with AGC. Elevate connectivity with Triax Satellite

Feb 03, 2026

FTTH Agc Optical Receiver

OpticTrans offers a wide selection of fiber optic equipments, our main products areas

Feb 18, 2026

CATV optical transmitter with AGC (without Return Path)

CATV optical transmitter with AGC (without Return Path) 1550 nm, Po 10 dBm
Produces an optical signal in the 1550 nm-window

Oct 24, 2025

1550nm Optical Transmitter for CATV HF200-3615 - PNA-Fiber

The AGC function and the MGC function can be used instead. Support Network Management PNA-Fiber 1550nm optical transmitter

Jan 02, 2026

Learning About Agc Optical Node Transmitter: Grades, Material

Integrated AGC Optical Node Transmitters These all-in-one units combine signal amplification, gateway functionality,

Nov 02, 2025

Understanding Automatic Gain Control

AGC for RF Rx AGC is a critical aspect of RF receiver design. The energy density of electromagnetic radiation

Jan 17, 2026

CATV optical transmitter with AGC (without Return

Produces an optical signal in the 1550 nm-window modulated by the RF input signal (47 MHz - 1100 MHz).

Sep 03, 2025

1550nm Direct Modulated Optical Transmitter | Montclair Fiber

The 1550nm direct modulated AGC optical transmitter offers a cost-effective solution delivering balanced high output power

Oct 27, 2025

Automatic Gain Control (AGC) in Receivers

Automatic Gain Control (AGC) was implemented in first radios for the reason of fading propagation (defined as slow variations in the

Jul 20, 2026

CL-870-T, 1310 or 1550nm Direct Modulated AGC Optical Transmitter

The CL-870-T transmitter is used to transmit RF cable TV signals (45-870MHz) over a fibre optic cable. By converting the RF band to

Jan 16, 2026

1550nm Optical Transmitters Archives | Montclair Fiber

1550nm Optical Transmitters Montclair's 1550nm direct modulated AGC optical transmitter offers a cost-effective solution delivering

Aug 14, 2025

TOCT optischer kombinierter Sender mit AGC (Satellit

TOCT - TRIAX Optical Combined Transmitter ist die Kernkomponente auf der Kopfstellenseite des TOF-Systems (Triax Optical

Jun 03, 2026

HT1500A 1550nm Direct Modulated Optical Transmitter

Huatai HT1500A is a 1550nm direct modulation optical transmitter with high index and AGC function. It adopts high linearity and low

Sep 19, 2025

Spec Technology | CATV, FTTH & Optical Fiber Equipment

Spec Technology is a leading manufacturer of CATV, FTTH and fiber optic network equipment including EDFA, optical transmitters,

Dec 08, 2025

Fiber Transmitter 1550nm Directly Modulated, AC

This high quality, low cost, optical broadcast transmitter is used to send RF analog and digital content over

Sep 16, 2025

1310nm Directly Modulated Optical Transmitter

+6~+14dB AGC range to minimize installation effort and ensure consistent long-term performance Wide frequency range from 47 to

Aug 31, 2025

Automatic Gain Control

Automatic Gain Control (AGC) mode is a feature available in both ViaLite Transmitter and Receiver modules (including Dual

May 04, 2026

Triax 307791 TOCT Optical Combined Transmitter

TOCT - TRIAX Optical Combined Transmitter is the core component on headend side of the TOF (Triax

Jul 07, 2026

ADI Wireless Seminar 2006 (Chapter VIII: Design and Operation of ...

Chapter VIII Design and Operation of Automatic Gain Control Loops for Receivers in Modern Communications Systems By Dana

Feb 17, 2026

Choosing between RF and optical automatic gain control

How automatic gain control (AGC) is implemented in the ONT receiver is critically important. Unlike the case of baseband light

May 26, 2026

1550nm Optical Transmitters Archives | Montclair Fiber

Montclair's 1550nm direct modulated AGC optical transmitter offers a cost-effective solution delivering balanced high output power

Mar 26, 2026

24mw Indoor single mode 1310nm optical transmitter with AGC

Fiber-MART provide 24mw Indoor single mode 1310nm optical transmitter with AGC with good price & quality!

Mar 18, 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

Dec 13, 2025

Optic Transmitter with AGC CATV Transmitter 1550nm

Optic Transmitter with AGC CATV Transmitter 1550nm, Find Details and Price about Optical Transmitter and Optical Transmitter

Jul 20, 2026

TOCT Optical Combined Transmitter with AGC (Satellite + Terrestrial)

The transmitter is an installer friendly plug-and-play solution thanks to built-in Automatic Gain Control (AGC) and Automatic Slope

Oct 15, 2025

Triax TOST Optical Satellite Transmitter with AGC

Triax TOST Optical Satellite Transmitter with AGC (Automatic Gain Control) is a cutting-edge device designed for high-performance

Sep 14, 2025

Automatic gain control

Automatic gain control (AGC), sometimes Automatic volume control (AVC) is a closed-loop feedback regulating circuit in an amplifier

Jul 01, 2026

CATV optical transmitter with AGC (without Return Path) 1550 nm, Po

Produces an optical signal in the 1550 nm-window modulated by the RF input signal (47 MHz - 1100 MHz). The optical output power

Feb 28, 2026

Triax TOCT Optical Combined Transmitter with AGC |Dsolutions

Discover Dsolutions" TOCT Optical Combined Transmitter with AGC for satellite and terrestrial connectivity, alongside the Triax

Nov 23, 2025

What is Automatic Gain Control?

AGC circuits are used in a wide range of applications including AM receivers for controlling weak and strong signals

Contact Us

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