

10G French CE Certified Optical Amplifier



Overview

HYD Technology has designed an optical amplifier under the label of 10G XFP, which is an OEO optical amplifier, and it is suitable for gaining optical signals in optical fiber links. This amplifier leads to compensate for the attenuation needed for the optical signals in the. The MAX3799 is a highly integrated limiting amplifier and VCSEL driver that operates up to 14Gbps, making it suitable for Ethernet and Fibre Channel applications. The R603 offers extremely high differential conversion gain of 9,000 V/W, high sensitivity of -20dBm, optical overload of +4dBm, and very low power dissipation of 170mW. Albis' APD10F1 APD chip and HiLight's SLR10G2 TIA within a TO-can. The combined performance of Albis'. MACOM supports a large portfolio of electronic and lightwave components, lasers and photodiodes for optical communications in a wide range of applications. These range from long haul core networks to cloud data centers, FTTx access and wireless infrastructure. GN28L95 features automatic extinction ratio control for reliable operation of the laser over all conditions.



Article Content

Aug 08, 2025

High Sensitivity CMOS Transimpedance Amplifier Optimized for APD ...

The HLR10G1 features a compact die size, which together with on-chip supply filtering, and reduced bond count enables simple, low cost, high volume optical receiver assemblies.

Apr 30, 2026

Albis Optoelectronics and HiLight Semiconductor

The SLR10G2 is a 10Gbps combined transimpedance amplifier (TIA) and limiting amplifier (LA) in a single monolithic chip designed to be used with a wide range of

Feb 27, 2026

Optical Transceivers

GBICS Codable 10GBASE SFP+ Optical Transceivers. Multi-vendor coding options available for your 10GB Ethernet requirements. Available in Multimode, Single

Feb 07, 2026

Shop for 10G SFP+ Optical Transceivers

Our 10G SFP+ transceivers are 100% compatibility tested in our US based lab, and certified for use with over 90 OEMs including Arista, Cisco, Dell, Intel, Juniper, Mellanox, Nokia.

Sep 03, 2025

10G InGaAs Photodiodes and Optical Receivers

Our 10G InGaAs Photodiodes and Optical Receivers are meant for 850nm - 1650nm wavelength, with singlemode or multimode fiber for applications such as telecom, datacom, Cable TV, and Microwave

Aug 01, 2025

Combined 10Gb/s Limiting Post Amplifier & Burst Mode Laser Driver

GN28L96 is a combined burst-mode laser driver and limiting amplifier designed for 10Gb/s passive optical network (PON) optical networking unit (ONU) applications.

Apr 06, 2026

10G OEO XFP Amplifier

HYD Technology has designed an optical amplifier under the label of 10G XFP, which is an OEO optical amplifier, and it is suitable for gaining optical signals in optical fiber links.

Jun 28, 2025

10Gb/s 10km SFP+ Optical Transceiver Module

10Gb/s 10km SFP+ Optical Transceiver Module: A High-Performance Networking Solution The CC-PII221L-xD 10Gb/s SFP+ optical transceiver module

Oct 30, 2025

Wholesale 10G SFP+ Optical Transceivers | Affordable price

Shop wholesale 10G SFP+ optical transceivers at competitive factory prices. Reliable performance, and fast delivery from a trusted manufacturer in China

Aug 11, 2025

Optoelectronic Solutions

The portfolio addresses the analog interfaces between electrical and optical domains providing solutions to meet the demanding size, power and signal integrity requirements of today's high speed networks

Apr 05, 2026

Optical and Electrical Sub-assembly/Chip Products

10G/2.5G/1G multi-rate Burst-mode TIA complied to both IEEE and ITU-T standard, XGS-PON, NG-PON2 and 10G-EPON.

Aug 25, 2025

GLC-T-10G-100M-OC

Optic.ca Cisco® compatible optical transceiver provides 10G links up to 100m over Cat6a/Cat7 copper cable. Industry leading quality and warranty.

Apr 07, 2026

10G SFP+ LR 1310nm 10km Optical Transceiver | AscentOptics

10G SFP+ 10G SFP+ LR 1310nm 10km Transceivers Ascent Optics" SFP-10SM31-10C 10G SFP+ transceivers are high performance, cost effective modules supporting data rate of 10Gbps and 10km

Feb 02, 2026

GN28L95 | Combined 10Gbps Limiting Post Amplifier

GN28L95 is a combined burst mode laser driver and limiting amplifier designed for 10Gbps passive optical network (PON) optical networking unit (ONU) applications.

Aug 29, 2025

10G Optical Transceiver Modules | AscentOptics

We offer a wide range of high-quality 10G transceivers for various applications and network protocols check out our catalog and order online today - AscentOptics.

Mar 23, 2026

10 Gb/s High-Sensitivity Limiting PIN-TIA Optical Receiver

The DSC-R603 is a high-gain PIN + Transimpedance + Limiting amplifier ideally suited for digital applications up to 13 Gb/s. The R603 offers extremely high differential conversion gain of 9,000 V/W,

Jan 22, 2026

10G SFP+ Active Optical Cables | Optical Interconnect

Amphenol's 10G SFP+ optical modules include SFP+ AOC. They are compliant with SFP+ MSA, SFF-8431 and SFF-8472, and are mainly used in

Feb 20, 2026

PHY1090 Datasheet and Product Info | Analog Devices

The PHY1090 is high linearity transimpedance amplifier with automatic gain control. It is designed to be used in 6G to 10Gbps fiber optic modules with PIN or APD photo detectors.

Mar 01, 2026

An ultra-broadband photonic-chip-based parametric amplifier

An optical parametric amplifier based on integrated photonic circuits fabricated using low-loss gallium phosphide-on-silicon dioxide demonstrates improved bandwidth and gain performance

Dec 28, 2025

SFP-10G-LR Cisco | From €12 | EDGE Optical Solutions

Cisco SFP-10G-LR compatible 10GBASE-LR SFP+ transceiver. 1310nm, 10km SMF, 6dB budget. Cisco EEPROM coded, DDM, IEEE 802.3ae. From €12.

Oct 25, 2025

MAX3799 Datasheet and Product Info | Analog Devices

By providing a selectable data path with a noise-shaping filter, the MAX3799 enables a module with 10G optics to be fully compliant with both

Aug 16, 2025

SFP+ Optical Transceiver Modules (10G-SR/LR)

Amphenol SFP Optical Modules • SFP+ Optical Modules from Cables on Demand are Now Available in both Short Range (SR) Multimode and Long Range (LR)

Jul 29, 2025

PL-1000IL Optical Amplifiers

The PL-1000IL is designed to cost-effectively extend the optical link power budget for building long distance DWDM solutions. It provides amplification for a range of optical solutions, from single

May 05, 2026

10G SFP+ Transceivers | Optical Interconnect | Amphenol

Amphenol's 10G SFP+ optical modules include SFP+ AOC. They are compliant with SFP+ MSA, SFF-8431 and SFF-8472, and are mainly used in

Nov 26, 2025

10G 1470nm-1610nm CWDM SFP+ 80km DOM

Achetez 10G 1470nm-1610nm CWDM SFP+ 80km DOM fiable et rentable, garantie à vie, 100% testé, en stock.

May 13, 2026

10G SFP AOC (Active Optical Cable)

Optech's 10G SFP AOC (Active Optical Cables) portfolio offers a wide range of active cables with different options in terms of lengths and cables (OM2, OM3).

Jan 30, 2026

Custom Semiconductor Optical Amplifier (SOA), 1310nm

FS custom SOA semiconductor optical amplifier (1310nm, AGC or APC circuit) greatly increases optical power for long haul OTN networks by amplifying signals.

Feb 21, 2026

Optical Transceivers Manufacturer

10Gtek® is a trusted supplier of optical transceivers, who researches, designs, manufactures and markets optical transceivers for various applications & data rate.

Jan 08, 2026

GN7068 | 10Gbps TIA for PON Applications | Semtech

The GN7068 is an extended-capability transimpedance amplifier die and is designed for use with a 10G APD. The GN7068 design is implemented such that electro-optic gain is well controlled for maximum

Contact Us

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