

Custom-made high-gain optical amplifier pricing



AI Overview

Custom high-gain optical amplifiers typically range from a few thousand to tens of thousands of euros or dollars, depending on type, gain, wavelength, and configuration.

Pricing Overview

Semiconductor Optical Amplifiers (SOAs)
Example: A customized 1310 nm SOA with gain options from 10 dB to 14 dB and pluggable module housing is priced around €3,592–€4,275 excluding VAT, depending on configuration and delivery location. Features affecting price include operation mode (AGC/APC), input/output power, connector type, and integration with managed chassis systems.

Fiber Amplifiers (EDFAs, YDFAs, PDFAs)
Prices vary widely based on output power, wavelength, and gain. Benchtop or PXIe plug-in modules can be customized for specific wavelength regions, pilot projects, or OEM applications. Exact pricing is typically provided upon request from suppliers like Thorlabs.

High-Power Solid-State Amplifiers
Systems like the neoVAN series offer output powers from 5 W to 100 W, pulse energies up to 5 mJ, and amplification factors up to 40 dB. Pricing is custom-quoted based on power, pulse duration, and integration requirements. OEM solutions with integrated pump diodes or MOPA configurations are also available, with costs reflecting the complexity and performance specifications.

Obtaining Quotes
Platforms like GoPhotonics allow users to submit detailed requirements and receive quotations from multiple manufacturers, which is useful for comparing prices and technical options. Factors influencing quotes include wavelength, gain, output power, pulse characteristics, packaging, and additional features like remote monitoring or SNMP support.

Key Considerations

- Customization Level:** Higher gain, specialized wavelengths, or integration with existing systems increases cost.
- Volume:** Bulk orders may reduce per-unit cost.
- Delivery and VAT:** Prices vary by region and s...

Article Content

Custom Optical Amplifiers

Get Quotations on your custom Optical Amplifier requirement from multiple manufacturers via GoPhotonics. Enter your requirements, details and upload any supporting files.

Optical Amplifiers – optical amplification

Optical amplifiers are devices for amplifying the optical power of light beams, either in free space or in waveguides such as optical fibers.

Booster Optical Amplifiers (BOA)

Booster Optical Amplifiers (BOAs) from Innolume provide over 400 mW (fiber-coupled) and up to 550 mW (submount) output power with small signal gain exceeding 40 dB. Featuring tilted waveguides

Optical Amplifier Market

An optical amplifier is a device that boosts the amplitude of an optical signal directly without optical-to-electrical conversion, typically employing erbium-doped fiber

C-Band Optical Amplifiers (BOAs and SOAs), 1520

The center wavelength (CWL) of the ASE spectrum in broadband semiconductor devices such as optical amplifiers may show variation between lots. Please refer

Space-Qualified Amplifiers

We provide qualified PM and Non-PM boosters and low-noise amplifiers for LEO, MEO, and GEO, where size, weight and power (SWaP) and high reliability are essential.

Semiconductor Optical Amplifiers – SOA

Semiconductor optical amplifiers are optical amplifiers based on semiconductor gain media. They can be used in telecom systems, for example.

Optical Amplifier

GAOTek CATV optical amplifier is high power amplifier is a high-power multi-output optical fiber amplifier with a gain spectrum bandwidth of 1535 nm to 1565 nm.

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Custom High-Gain Fiber Optic Amplifier manufacturer, High-Gain Fiber ...

Wholesale High-Gain Fiber Optic Amplifier at factory price from Fiberwdm . We are best High-Gain Fiber Optic Amplifier supplier, focus on optical communication products manufacture many years!

High gain and wideband hybrid optical amplifier using bismuth

Abstract A hybrid dual-stage bismuth-doped fiber and neodymium-doped fiber amplifier with high optical gain and extended bandwidth of operation in the E-band is demonstrated.

Optical Amplifiers

The power and gain specifications of our optical amplifiers can be further optimized for specific wavelength regions. Please contact us if you have custom

Microsoft Word

If the carrier density exceeds the transparency carrier density then the material can have optical gain and the device can be used to amplify optical signals via stimulated emission. During operation as an

High Power Edfa 1550nm Optical Amplifier

It is useful for fiber transport over very long distances, or for feeding a fiber optic PLC splitter for multi-point signal distribution. The F-EDFA booster amplifier

Semiconductor Optical Amplifiers (SOA) | NIR/SWIR

RPMC Lasers offers high-performance Semiconductor Optical Amplifiers (SOAs) in the NIR/SWIR range, featuring polarization-insensitive traveling-wave designs for

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Optical Amplifiers

An Optical Amplifier is a device that amplifies optical signals traveling through a fiber optic cable. Optical Amplifiers from the leading manufacturers are listed below.

Introductory Chapter: A Revisit to Optical Amplifiers

High absorption yields large gain, and therefore, the gain-bandwidth product becomes very large for such solid-state amplifiers . Furthermore,

Semiconductor Optical Amplifiers – Buyer's Guide

This buyer's guide for semiconductor optical amplifiers provides technical background, comparison of major types, selection criteria, and an overview of

Handmade German High-Gain Guitar Amps – Free Custom Shop

Experience German-crafted, high-gain guitar amps built for stage, studio & home.
Free custom shop, premium parts, iconic tone!

Optical Amplifiers – Buyer's Guide & Supplier List | RP Photonics

This buyer's guide for optical amplifiers provides technical background, comparison of major types, selection criteria, and an overview of suppliers.

Semiconductor Optical Amplifier | TODAY | 750-1550

Scroll down to see all configurations and prices. A special AWG-based high speed driver allows the user to design the nanosecond temporal shape he needs. It

Watt-class silicon photonics-based optical high-power amplifier

High-power amplifiers are critical components in optical systems spanning from long-range optical sensing and optical communication systems to micromachining and medical surgery.

Novel Semiconductor Optical Amplifier with Large Gain and High ...

A novel semiconductor optical amplifier (SOA) design achieving large gain and high saturation output power without reaching excessive power consumption level is presented. Small-signal gain above 35

Contact Us

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