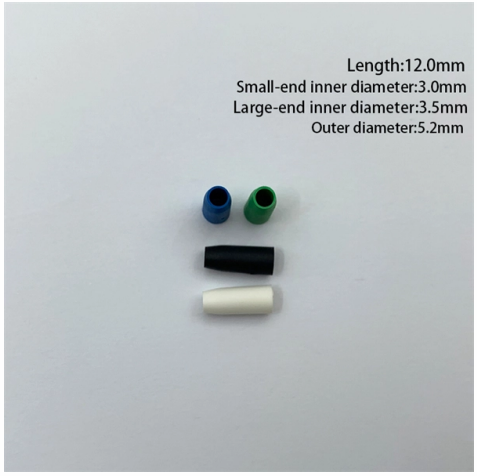
Continuously Variable Optical Attenuator Manufacturers



Overview

Continuously Variable Attenuators Manufacturers and Suppliers in the. Manufacturer of standard and custom handheld fiber optic continuouslyvariable, anal.

Key Takeaways

Leading companies offering continuously variable optical attenuators include LASNIX, Coherent, EKSMA Optics, Pasternack, and ARRA, each providing specialized solutions for laser and RF applications.

LASNIXLASNI

X specializes in continuously variable attenuators for CO_2 lasers, using proprietary free-standing metal grid technology. Their devices precisely control power and polarization without affecting beam alignment or mode structure. The attenuators can be mounted directly on lasers and feature rotatable grid polarizers for independent adjustment of polarization direction.

LASNI

X products are particularly suited for infrared laser applications and high-power CO_2 laser systems, preserving beam quality even at maximum power levels.

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Coherent

Coherent offers the Lasercam™ Continuously Variable Attenuator, designed for adjustable laser beam attenuation from 10^7: 1 to 3000: 1. These attenuators handle up to 1 W/cm² or 100 mJ/cm² at 632. 8 nm and integrate with BeamView™ 4.

4 software for beam profiling. They are compatible with pulsed and CW lasers, providing precise control over beam intensity, divergence, and uniformity. Coherent's products are widely used in research and industrial laser measurement applications.

EKSM

A OpticsEKSMA Optics manufactures manual and motorized continuously variable attenuators for linearly polarized laser beams. Their devices combine high-performance polarizing cube beamsplitters and half-wave plates, supporting wavelengths from 257 nm to 1064 nm. Motorized models allow continuous intensity adjustment and are suitable for high-power Nd: YAG or femtosecond Ti: Sapphire lasers, making them ideal for ultrafast laser experiments and precision optical setups.

Pasternack

Pasternack provides RF and microwave continuously variable attenuators with 50 Ohm impedance and SMA connectors, covering 1 GHz to 18 GHz. Their attenuators range from 7 dB to 40 dB and can handle up to 5 Watts. Pasternack's products are ISO 9001: 2015 certified, bidirectional, and include Pi attenuator designs.

They are widely used in microwave, RF, and millimeter-wave systems, with same-day shipping from a large inventory.

ARRAARR

A offers a comprehensive line of continuously variable attenuators for RF and microwave applications, including miniature and mid-sized models. Their products feature wide attenuation ranges, linear calibrated dials, and rugged construction, with options meeting MIL standards.

ARR

A attenuators are suitable for custom system integration and high-reliability applications.

Summary

These companies provide a range of optical and RF/microwave attenuators with features such as manual or motorized control, high power handling, polarization management, and wavelength-specific designs. Selection depends on the application type—laser research, industrial laser systems, or RF/microwave signal control. For specialized needs, contacting the manufacturer directly is recommended to ensure compatibility with specific laser wavelengths, power levels, or system requirements.

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Article Content

Continuously Variable Attenuators Manufacturers and Suppliers in the ...

Manufacturer of standard and custom handheld fiber optic continuouslyvariable, analog, digital and step attenuators. Available in attenuation ranges of 0 dB to 30 dB and 0 dB to 60 dB. Features include

Fiber Optical Variable Attenuators

We offer the industry''s most extensive selection of fiber variable optical attenuators (VOAs), addressing all application scenarios with best-in-class performance and value.

Continuously Variable Attenuators

For over 60 years ARRA (Antenna & Randome Research Associates) has been a global innovator in designing, manufacturing, distribution of coaxial and waveguide components. Supplying dependable,

Variable Optical Attenuators – Buyer''s Guide & Suppliers

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

Attenuators

Attenuators from VIAVI offer a complete range of power-balancing options, from fixed to variable optical attenuators in field, lab, and manufacturing environments.

Fiber Optic Attenuators — Fixed & Variable | TTI Fiber

For applications requiring adjustable signal control, our variable optical attenuators (VOAs) offer continuously tunable attenuation from 0 to 30 dB. Both single-mode and multimode versions are

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

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

Variable Attenuators

Continuously variable attenuators from Pasternack are available in 50 Ohm impedance and with SMA connectors. SMA continuously variable attenuators have RF db attenuation values that range from 7

Variable attenuator

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Find your variable attenuator easily amongst the 46 products from the leading brands (Smiths Interconnect, Rohde & Schwarz, PASTERNACK, ...) on

The FOA Reference For Fiber Optics

Within the world of data communications links and networks, there are many vendor-specific fiber optic systems, but there are also a number of industry standard networks such as Ethernet which have

Fiber Optics Attenuators

Fiber Optics Attenuators - The Ultime Guide on How they work? An optical attenuator is a passive device used to reduce the power level of an optical signal, either in free space or in an

Fiber Attenuators

Product PortfolioAMS Technologies carries a broad range of fiber attenuators that provide fixed or variable attenuation of optical signals in optical fibers. Variable attenuators are available for manual

Fiber Power Meter, Optical Variable Attenuator Telecom CATV

Handhold optical variable attenuator is used for continuously variable optical signal attenuation. As the attenuator is used in the system for the on-line testing, there, therefore can be used in the digital

23 Optical Attenuator Manufacturers in 2026

This section provides an overview for optical attenuators as well as their applications and principles. Also, please take a look at the list of 23 optical attenuator manufacturers and their company rankings.

Laser Power Attenuators

Compact Variable Laser Power Attenuators 990-0077, 990-0078 Compact Variable Attenuators designed to continuously attenuate linearly polarized laser beams. Clear aperture ⌀17 mm or ⌀22

RF Attenuators

RF coaxial attenuators from manufacturer and international supplier Pasternack Enterprises. Pasternack attenuators are part of the over 40,000 RF, microwave and fiber optic components in stock 99%. The

Electrostatic (MEMS) VOA Market: $7.29B, 14.94% CAGR Analysis

The **Electrostatic (MEMS) Variable Optical Attenuator** market is projected to reach $7.29B by 2025 with a 14.94% CAGR. Understand drivers shaping its expansion.

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Continuously Variable Attenuators for Lasers | EKSMA

EKSMA Optics Continuously Variable Attenuators 990-0060 58.57 kB download PDF Divides laser beam into two beams of manually adjustable intensity ratio Convenient 90° angle between reflected

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This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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