Manufacturers of optical attenuators

Overview

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

Key Takeaways

Top manufacturers of optical attenuators include Viavi Solutions, DiCon Fiberoptics, ARCoptix, Santec, EXFO, and Thorlabs, among others.

Leading Companies

Viavi Solutions, Inc. is a prominent provider of optical attenuators and testing solutions, offering both fixed and variable attenuators for fiber-optic networks.

Di

Con Fiberoptics specializes in high-precision optical components, including attenuators for telecommunications and laboratory applications.

AR

Coptix S. A. focuses on tunable and fixed optical attenuators, often used in research and high-performance optical systems. Santec Corporation provides a wide range of optical devices, including attenuators, optical test equipment, and tunable lasers, with a global presence through subsidiaries in Japan, Europe, China, Canada, and the US.

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EXF

O is known for fiber optic testing equipment and optical attenuators, supporting network deployment and maintenance. Thorlabs manufactures optical attenuators for laboratory and industrial applications, including variable and fixed types for fiber-optic and free-space systems. Other notable manufacturers include Mellanox Technologies, Sercalo Microtechnology, AFOP, NeoPhotonics, Keysight, Lumentum Operations, NTT Electronics, Accelink, LASEROPTIK, Gentec Electro-Optics, Precision Optics, and EKSMA Optics.

Applications and Product Types

Optical attenuators are used to adjust signal strength, protect sensitive receivers, balance power in WDM systems, and simulate communication environments for testing. They are available as: Fixed attenuators: Provide a constant attenuation level. Variable attenuators: Allow adjustable attenuation for testing or dynamic network conditions.

Manufacturers often offer attenuators compatible with fiber-optic connectors (LC, SC, FC) and free-space laser systems, catering to both telecommunications and laboratory applications.

Market Presence

These companies operate globally, with manufacturing and distribution networks across North America, Europe, and Asia, ensuring availability for both commercial and research applications. Many also provide custom solutions for high-power lasers, precision optics, and specialized fiber-optic systems. By focusing on these leading manufacturers, users can access a wide range of optical attenuators suitable for telecom networks, laboratory research, and industrial applications.

Article Content

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.

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

Top 10 Optical Attenuator Brand & Manufacturers

This section provides a list of the top 10 Optical Attenuator manufacturers, Website links, company profile, locations is provided for each company. Also provides a detailed product description of the

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Attenuators | Suppliers | Photonics Buyers'' Guide | Photonics

Explore 28 top manufacturers and suppliers of Attenuators in our comprehensive photonics buyers'' guide. An attenuator is an electronic transducer, either fixed or adjustable, that reduces the

Optical Attenuator Manufacturers: Find Top Suppliers

Looking for reliable optical attenuator manufacturers? Discover verified suppliers with customizable options, competitive pricing, and fast delivery. Click to explore top-rated manufacturers today!

Optical Attenuator

Optical Attenuator manufacturers, handling companies and product information Reference price is compiled here. IPROS GMS offers comprehensive B2B resources for the Optical Attenuator industry,

Optical Attenuators

Variable Optical Attenuator by Xionghua Photonics. Joinwit Variable Optical Attenuators. Fast attenuation speed with low insertion loss and built-in power monitoring. Operates in fixed attenuation

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This section provides an overview for attenuators as well as their applications and principles. Also, please take a look at the list of 46 attenuator manufacturers and their company rankings.

Optical-attenuators

Also available is an extensive line of optical fiber components including collimators, polarization controllers, fiber optic couplers, WDMs, circulators, and attenuators, as well as all of the tools and

Attenuators

VIAVI offers the industry''s most complete range of optical attenuators for installation and maintenance of singlemode and multimode fibers and advanced, photonic-layer solutions for lab and production

How to Check SFP Light Levels Using CLI Commands

The intense optical energy converts to heat, literally burning out the photodiode and permanently destroying a transceiver that costs thousands of dollars. To prevent this, network

Industry-leading Optical Switches/Attenuators

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Best In Class Fiber Optic Components/Modules/Systems Engineered for Performance, Built for Reliability, Cost-Optimized Solutions with Optional U.S. Manufacturing Under the Agiltron brand

Optical Attenuators – fixed, variable, VOA, high-power,

Optical attenuators are devices that reduce the optical power of a light beam by a fixed or variable amount. Key requirements include minimal effect on the beam

Link Microtek

Our BS EN ISO 9001:2015 certification has the scope; “The design and manufacture of RF and microwave components and systems. The sale of RF, microwave and optical components, systems

Custom Cable Assembly Manufacturing | Fibertronics, Inc.

Attenuators back In-Line Cable Attenuators In-Line Male to Female Attenuators Adjustable Air Gap Attenuators Bulkhead Attenuators Collimator Variable Optical

MEMS Variable Optical Attenuators: Single and Multi-Channel

OZ Optics Ltd. offers MEMS-based variable optical attenuator (VOA) in a fast, low cost miniature package. These best-in-class attenuators are available either as single units or as arrays of

Opinion: optical transceivers at the chokepoint of AI

As AI infrastructure accelerates at an unprecedented pace, optical connectivity has become one of the defining enablers and constraints of next

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