

Article Overview

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 . DiCon Fiberoptics specializes in high-precision optical components, including attenuators for telecommunications and laboratory applications . ARCoptix 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 . EXFO 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:

- o Fixed attenuators: Provide a constant attenuation level.
- o 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.



Major Manufacturers of Optical Attenuators

Find 275 Fiber Optic Attenuators suppliers with GlobalSpec. Our catalog includes 106,463 manufacturers, 20,795 distributors and

46 Attenuator Manufacturers in 2026 This section provides an overview for attenuators as well as their applications and principles.

Environmental regulations are pushing manufacturers toward greener, energy-efficient optical components.

Dive into the world of Optical Attenuators, exploring their principles, types, and applications in various fields, including

Explore 43 top manufacturers and suppliers of Fiber Optic Attenuators in our comprehensive photonics buyers' guide. A fiber optic

OZ Optics offers a broad range of both variable and fixed attenuators having key competitive advantages. All of our attenuators

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

The major global manufacturers of Fixed Optical Attenuator include Viavi Solutions, FS, Keysight, Thorlabs, Accelink,

Corning's fixed optical attenuators reduce the optical power within a given optical path and reduces power while preserving

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

Passive Optical Components are the foundation stone of WDM Passive Optical Network (PON). Besides MUX/DEMUX and splitters,

Fiber Optic Attenuator is a device that is used to reduce the power of an optical signal in a fiber optic communication system. The

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

Fiber Optics Attenuators - The Ultimate Guide on How they work? An optical attenuator is a passive device



Major Manufacturers of Optical Attenuators

used to

This section provides an overview for optical attenuators as well as their applications and principles. Also,

This report is a detailed and comprehensive analysis for global Optical Attenuators market. Both quantitative and qualitative analyses

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