

Optical Attenuator Models and Prices



AI Overview

Standard optical attenuators typically range from \$5 to \$50 per unit, depending on type, attenuation level, and connector specifications. Price Overview DigiKey offers a wide selection of fiber optic attenuators, with prices generally starting around \$5–\$10 for basic fixed attenuators and increasing for higher attenuation values or specialized connectors. FS (Fiberstore) provides both fixed and variable attenuators, with attenuation ranges from 0 to 60 dB. Prices vary based on fiber type (single-mode or multi-mode) and connector type, typically \$10–\$40 per unit for standard single-mode fixed attenuators. Thorlabs sells single-mode fixed fiber optic attenuators with common attenuation values like 5 dB, 10 dB, 15 dB, and 25 dB. Prices for individual attenuators are usually in the \$15–\$30 range, while kits containing multiple attenuators and terminators can cost \$100 or more. Made-in-China lists factory and wholesale prices, which can be lower for bulk orders, often \$5–\$20 per unit, depending on specifications and order quantity. Factors Affecting Price Attenuation Value: Higher dB ratings generally cost more due to precision requirements. Connector Type: FC/PC, FC/APC, SC, or LC connectors influence cost. APC connectors are typically slightly more expensive. Fiber Type: Single-mode attenuators are usually more expensive than multi-mode. Variable vs Fixed: Variable attenuators, which allow adjustable attenuation, are more costly than fixed attenuators. Brand and Quality: Established brands like Thorlabs or FS may charge a premium for reliability and performance guarantees. Summary For standard single-mode fixed optical attenuators, expect prices between \$5 and \$50 per unit, with bulk or factory orders potentially reducing the cost. Variable attenuators or specialized connectors may increase the price. Comparing suppliers like DigiKey, FS, Thorlabs, and wholesale platforms can help find the best deal for your specific requirements.

Article Content

Understanding Optical Attenuators: An In-Depth Guide

Discover the importance of optical attenuators in fiber optic communication systems. Learn how these devices manage signal strength, prevent degradation, and

Optical Attenuators | Keysight

Controlled optical signal conditioning for automated optical workflows Keysight optical attenuators provide precise control of optical signal power for accurate and repeatable optical component testing.

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

Fiber Optic Attenuators

Thorlabs has a wide variety of single mode (SM), polarization-maintaining (PM), or multimode (MM) fixed and variable optical attenuators (VOAs). We offer SM and

Exploring Optical Attenuator Types and Applications: A

optical attenuators are indispensable components in fiber optic communication systems, offering precise control over signal power levels and

Optical attenuator

An optical attenuator, or fiber optic attenuator, is a device used to reduce the power level of an optical signal, either in free space or in an optical fiber. The basic types of optical attenuators are fixed, step

Optical attenuators – more than 10 models

Large selection of optical attenuators produced by EXFO, Grandway. Detailed descriptions and photographs, good prices, delivery.

Fiber optic attenuators

Attenuator Singlemode LC/UPC 4dB Model: FA-IS-PCL04 €3.72€4.58 Large availability
Add to Cart Add to Wish ListAdd to Compare Attenuator Singlemode LC/UPC 5dB
Model: FA-IS-PCL05 €3.72€4.58

Fiber Optic Attenuators LC-SC-FC ... 1~30dB Price

What is the types of Fixed Fiber Optic Attenuators 1~30dB prices and technical specifications Producer, Manufacturer, Wholesaler China

Variable Fiber Optic Attenuators Types Prices & Technical Specifications

What Is Variable Fiber Optic Attenuators? Variable Fiber Optic Attenuators, or fiber optic attenuator, is a device used to reduce the power level of an optical signal, either in free space or in an optical fiber.

Fiber Optic Attenuators In Stock | Great Prices | Unikeyic

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Variable Optical Attenuator Price

Find reliable variable optical attenuator prices for various models. Shop our range of high-quality fiber optic attenuators for telecom and datacom applications.

Optical attenuators – more than 10 models

Optical attenuators are used in a number of special applications, for example, for conducting BER tests of EDFA amplifiers. Optical attenuators are produced in various modifications: variable, tunable,

Exfo FVA-60B (Variable Optical Attenuator) | ArtisanTG™

This Exfo FVA-60B Variable Optical Attenuator is new from surplus stock. Model: FVA-60B-D-EI Optical Interface: PC*Includes: 1/8 Inch Stereo Cable to DB-9

Fiber Optic Attenuators | Precision Signal Control Tools

Fiber optic attenuators control signal levels for stable, high-speed performance in fiber networks. Ideal for telecom, data centers, and test systems.

Fiber Optic Attenuators: Wiki, Types, When and How to

Learn what fiber optic attenuator is, how it reduces the power level of an optical signal, different types of optical attenuators, and when and how to use

Fiber Optical Variable Attenuators

In addition, we offer top-tier variable splitters/couplers, optical power regulators, shutters, manual attenuators, and high-precision fixed inline attenuators. The

Optical Attenuators

Optical attenuators are usually of two types: fixed attenuation or adjustable attenuation. Fixed attenuation value optical attenuator usually has a fixed attenuation value, such as 1dB, 3dB, 5dB,

Fiber Optic Attenuator Application and Research Report

This article is a comprehensive technical report on fiber optic attenuators, which systematically explains its definition, classification, working principle, technical indicators, application

Variable Optical Attenuators

Variable optical attenuators, used in fiber communications, vary light attenuation. The article discusses operation principles and various performance parameters.

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

Optical Attenuators – Buyer's Guide & Suppliers

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

Optical Attenuators | Keysight

Select the optical attenuator you need to simulate real-world optical link conditions, calibrate power levels, or automate signal conditioning in your optical test setup based on maximum attenuation and

Optical Attenuators, Fixed & Variable Available

FS fixed and variable fiber optic attenuators with leading attenuating fibers guarantee consistent and stable fiber attenuation (0~60dB) in WDM transmission.

Variable Attenuator at Best Price in India

Find here online price details of companies selling Variable Attenuator. Get info of suppliers, manufacturers, exporters, traders of Variable Attenuator for

Optical Attenuators, Fibre Optic Attenuators

FS fixed and variable optical attenuators with leading attenuating fibres make sure consistent and stable fibre attenuation (0~60dB) in wdm transmission all the time.

Fiber Optic Attenuators | Optoelectronics | DigiKey

Shop DigiKey's large in-stock selection of Fiber Optic Attenuators. View inventory, pricing and order now for same day shipping!

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.

Contact Us

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