Standard optical attenuator supply cost



Overview

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

Key Takeaways

Standard optical attenuators typically range from $10 to $200 per unit, depending on type, attenuation range, and supplier.

Pricing Overview

Fixed Fiber Optic Attenuators: These are generally the most affordable, with prices starting around $10–$30 for basic 1–10 dB units from distributors like DigiKey and FS. Higher attenuation values (20–60 dB) or specialized connectors can increase the price to $50–$100. Variable Optical Attenuators: These allow adjustable attenuation and are more expensive, typically ranging from $50 to $200, depending on precision, wavelength compatibility, and manufacturer.

High-

Power or Specialty Attenuators: Attenuators designed for high-power lasers or broad spectral ranges can exceed $200, especially when custom coatings or motorized control are required. Supplier OptionsDigiKey: Offers a wide selection of in-stock fiber optic attenuators with same-day shipping, suitable for standard fixed and variable types. FS.com: Provides fixed and variable attenuators with attenuation ranges from 0–60 dB, suitable for WDM transmission systems.

Arrow Electronics: Stocks attenuators from leading manufacturers like Huber Suhner, Analog Devices, and TE Connectivity, including fixed, variable, and digital types.

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Made-in-

China: Offers factory-priced optical fiber attenuators, often at wholesale rates, which can be cost-effective for bulk purchases or OEM solutions.

Factors Affecting Price

Attenuation Range: Higher dB ratings generally cost more. Type: Fixed attenuators are cheaper than variable or digital models. Connector Type: SC, FC, LC, or ST connectors can influence cost.

Power Handling: High-power or industrial-grade attenuators are more expensive. Supplier and Quantity: Bulk orders or factory-direct purchases can reduce per-unit cost. For accurate pricing, it is recommended to request quotes from multiple suppliers and consider shipping and lead times, especially for specialized or high-precision attenuators.

Article Content

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, 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.

Optical Attenuator Suppliers

The data fields provide comprehensive information including a description of the Optical Attenuator product, its HSN code, shipment date, price, quantity, countries of origin and destination,

Attenuators | RF and Wireless | DigiKey

Attenuators are designed to reduce the power of a signal with minimal effect on its waveform. The attenuation value ranges from 0 dB to 69 dB with a frequency range from 0 to 86 GHz. Shop

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.

Optical Attenuators, Fibre Optic Attenuators

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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.

"Optical Fiber Attenuators Price"

Upgrade your Fiber Optic Equipment with the elegant and durable Optical Fiber Attenuators Price.Identify leading distributors by their ability to offer competitive wholesale prices and insider

Attenuators | OZ Optics Ltd.

OZ Optics offers a broad range of both variable and fixed attenuators having key competitive advantages. All of our attenuators operate over the two standard wavelength bands, the C-Band and

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.

Optical Variable Attenuator Price Suppliers, all Quality Optical ...

Optical fiber communication products (Fiber optical connector,Fiber optical adapter,Fiber optical patch cord,Fiber optical Terminal box,Fiber optical PLC splitter)

Fiber Optic Attenuators Information

Fiber Optic Attenuator Methods of Attenuation Fiber optic attenuators use several methods of attenuation including air gaps, microbends, acousto-optic

Choosing the Right Fiber Optic Attenuator

Helpful buying guide for fiber optic attenuators. Compare fixed and variable options, understand key parameters to consider and learn application-specific selection tips. Get insights on

The Ultimate Guide to Fiber Optic Attenuators

Fiber optic attenuators stand as indispensable passive components, pivotal to the seamless operation of optical communication systems. As the fiber

23 Optical Attenuator Manufacturers in 2026

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

Variable Optical Attenuators

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

The Ultimate Guide to Fiber Optic Attenuators

Fiber optic attenuators play a crucial role in managing and controlling the power levels of optical signals in fiber optic networks. They are passive

Optical Attenuator Suppliers

Find Economical Suppliers of Optical Attenuator: 1,240 Manufacturers based on Export data till Jan-25: Pricing, Qty, Buyers & Contacts.

Optical Attenuators Market in the World | Report

Key Challenges Component miniaturization and tighter optical tolerance requirements drive up manufacturing costs, placing pressure on average selling prices which have declined by an

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Technical inquiry: https://cgweb.co.za/project-enquiry.html

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

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