

Price range of fiber optic attenuators



Article Overview

Fiber optic attenuators typically cost between \$5 and \$50 each, depending on type, attenuation level, and vendor.

Price Range and Factors

The cost of a fiber optic attenuator varies based on several factors:

- **Type of Attenuator:** Fixed attenuators are generally less expensive than variable attenuators, as they provide a set level of signal reduction, while variable attenuators allow adjustable attenuation, which adds complexity and cost.
- **Attenuation Level:** Attenuators are rated in decibels (dB), commonly ranging from 1 dB to 60 dB. Higher attenuation levels or precision devices tend to be more expensive.
- **Fiber Type:** Single-mode attenuators are usually slightly more expensive than multi-mode due to tighter tolerances and lower insertion loss requirements.
- **Connector Type:** SC, LC, ST, and FC connectors can affect pricing, with LC and FC often costing more due to precision manufacturing.
- **Vendor and Brand:** Prices vary by supplier. For example, FS, DigiKey, and Unikeyic offer competitive pricing, with small fixed attenuators often starting around \$5-\$10, while higher-end variable attenuators can reach \$40-\$50 or more.

Typical Applications

Fiber optic attenuators are used to control optical signal strength, prevent receiver overload, and simulate different signal levels during testing. They are essential in t...

Article Content

Jan 04, 2026

Fixed Fiber Optic Attenuator and Terminator Kits

Table 1.1 lists the description and quantity of each item included within each kit. Please see the Specs tab for a complete list of

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Optical Fiber Attenuator

Find here Optical Fiber Attenuator, Fiber Optic Attenuators manufacturers, suppliers & exporters in India. Get contact

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Optical Attenuators, Fixed & Variable Available

FS fixed and variable fiber optic attenuators with leading attenuating fibers guarantee consistent and stable fiber attenuation

Aug 30, 2025

Variable Fiber Optic Attenuators Types Prices & Technical Specifications

Variable optical test attenuators generally use a variable neutral density filter. Despite relatively high cost, this arrangement has the

Sep 26, 2025

Optical Attenuators (Fixed & Variable, 850, 1310 & 1550nm)

Precise and reliable fixed and variable fiber optic attenuators for optical power control. SC, ST, LC, FC, SMA connector types and In

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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

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Fiber-optic Attenuators – fixed or variable attenuation,

Fiber-optic attenuators adjust optical signal power levels, for example in fiber-optic links. The degree of

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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!

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Amazon : Solnique 10 Pack Single Mode Fiber Optic Attenuators

About this item Multiple Attenuation Options: The Solnique LC/UPC Fiber Optic Attenuators offer five different attenuation levels

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Fibre Attenuators | Optical Attenuators | 4Cabling

Our Fibre Optical Attenuators are used to reduce the strength of a Fibre Optic signal. A fibre optics attenuator is a passive device

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Fiber Optic Attenuators

Our attenuators are a very high quality design using doped fiber to attenuate the signal. Our singlemode

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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

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How to Choose the Appropriate Fiber Optic Attenuator?

Discover fiber optic attenuators and learn how to choose the right one for your needs. Explore key factors like cable

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Fiber Attenuators

Product PortfolioAMS Technologies carries a broad range of fiber attenuators that provide fixed or variable attenuation of optical

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Fiber optic attenuators

Attenuator Singlemode LC/UPC 2dB Model: FA-IS-PCL02 €3.72€4.58 Large availability
Add to Cart Add to Wish ListAdd to Compare

Mar 23, 2026

Fiber Optic Attenuators | Newark Electronics

Buy Fiber Optic Attenuators. Newark Electronics offers fast quotes, same day dispatch, fast delivery, wide inventory, datasheets &

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Fixed Fiber Optic Attenuators | Fiber Optic Attenuators

The F-FIA Series In-Line Fiber Attenuators are configured for dual window use at both 1310 and 1550 nm. Attenuation accuracy is

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OZ Optics Online | Fiber Optic Attenuators

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

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Fiber Optic Attenuators

FIBER OPTIC ATTENUATOR Worldwide delivery is available for all Fiber Optic Attenuators, ensuring optimal performance for your

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Fiber Optic Attenuators |

Our product range includes 1dB-25dB in-line male-female attenuators, providing solutions tailored to your needs. Our attenuators,

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Fiber-optic Attenuators – Buyer's Guide & Supplier List | RP Photonics

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

Feb 17, 2026

Fiber Optic Attenuators In Stock | Great Prices | Unikeyic

Shop At Unikeyic For Fiber Optic Attenuators —Stocked, Ready To Ship. Find Detailed Datasheets And Competitive Pricing On Our

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Fixed Fiber Optic Attenuators, Single Mode

The shaded region in these plots indicates the operating wavelength range that we specify for each attenuator. Performance outside

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"Optical Fiber Attenuators Price"

Upgrade your Fiber Optic Equipment with the elegant and durable Optical Fiber Attenuators Price. Identify leading distributors by their

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Variable Optical Attenuators

Fiber-optic attenuators often work by inducing variable misalignment between fiber ends or by controlled bending to create losses.

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Amazon : Fiber Optic Attenuators

Online shopping for Industrial & Scientific from a great selection of Fiber Optic Attenuators, Radio Frequency Attenuators & more at

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Amazon : Industrial Electrical Attenuators

Online shopping for Industrial & Scientific from a great selection of Fiber Optic Attenuators, Radio Frequency Attenuators & more at

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Fiber Optical Attenuators | Variable Optical Attenuators

Power Management: Our fiber variable optical attenuators are employed for power management purposes in fiber optic networks.

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Fiber Optic Attenuators: What They Are and When to Use Them

In these situations, network administrators should install fiber attenuators to reduce optical power levels. Attenuators enable the fine

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

Learn what fiber optic attenuator is, how it reduces the power level of an optical signal, different types of optical

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How to Choose the Correct Fiber Optic Attenuator?

Fiber optic attenuators are available with various connectors such as LC, SC, ST, FC, and MPO, and it's essential to

Apr 03, 2026

Fiber Optic Attenuators

Variable fiber optic attenuators are with adjustable attenuation range. There are also attenuation fiber optic patch cables available,

Oct 28, 2025

Fiber Optic Attenuators Information

Fiber optic attenuators are devices that reduce signal power in fiber optic links by inducing a fixed or

Contact Us

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