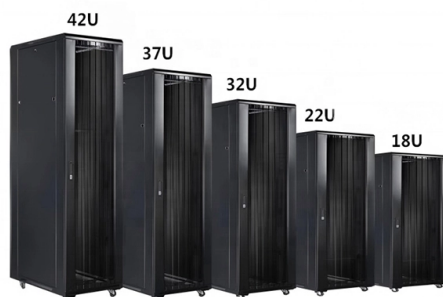


RIVO MULTITRADE OPTICAL SYSTEMS

Price range of optical attenuators



Overview

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Key Takeaways

Fixed optical attenuators typically cost between \$0.10 and \$5, while variable optical attenuators range widely from about \$16 up to \$800 depending on type, precision, and form factor.

Optical attenuators come in two main categories—fixed and variable—and their prices vary significantly based on connector type, attenuation level, technology (mechanical, MEMS, inline), and intended use (telecom, lab, field testing).

Price Ranges1. Fixed Optical Attenuators

Typical pricing from suppliers:

- \$0.10–\$5 for common SC/LC/FC plug-in types.
- Some higher-quality or specialty fixed attenuators range up to ~\$15–\$40 depending on brand and packaging.
- Bulk manufacturing listings show similar ranges \$0.18–\$3.00.

2. Variable Optical Attenuators (VOA)

Prices vary more widely due to technology differences:

- Low-cost telecom VOAs: \$2.20–\$5.

- MEMS or integrated component VOAs: \$16-\$100.
- Handheld/benchtop test equipment VOAs: \$360-\$800.
- High-precision lab VOAs: often \$138-\$375+.

Summary

- Fixed attenuators: generally \$0.10-\$5, with premium units up to ~\$40.
- Variable attenuators: \$2-\$800, depending on whether they are inline, MEMS modules, or full handheld instruments. This pricing reflects the broad range of applications from simple signal trimming to high-precision optical testing.

Article Content

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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

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

Variable Optical Attenuators

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

How to Choose the Correct Fiber Optic Attenuator?

Variable Optic Attenuator Unlike fixed optic attenuators, variable fiber optic attenuators allow the user to adjust the

Amazon Bestsellers: The most popular items in Attenuators

Optical Fiber Connector, Variable Optical Attenuator, FC UPC Mechanically Adjustable Attenuator, Industrial Accessories 1

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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In addition, all of our attenuators have a wide attenuation range, which means they operate at a wide range of power levels. This is

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Attenuators

Attenuators are available in several styles and they can have either fixed levels of attenuation or they can be variable. These include

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