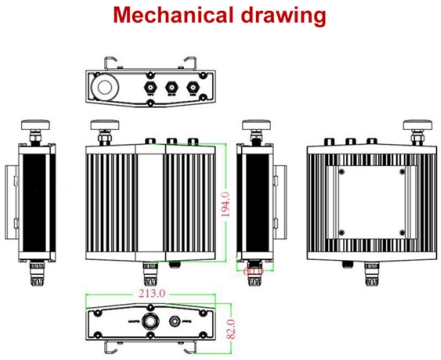
Price of dimmable attenuator



Overview

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Key Takeaways

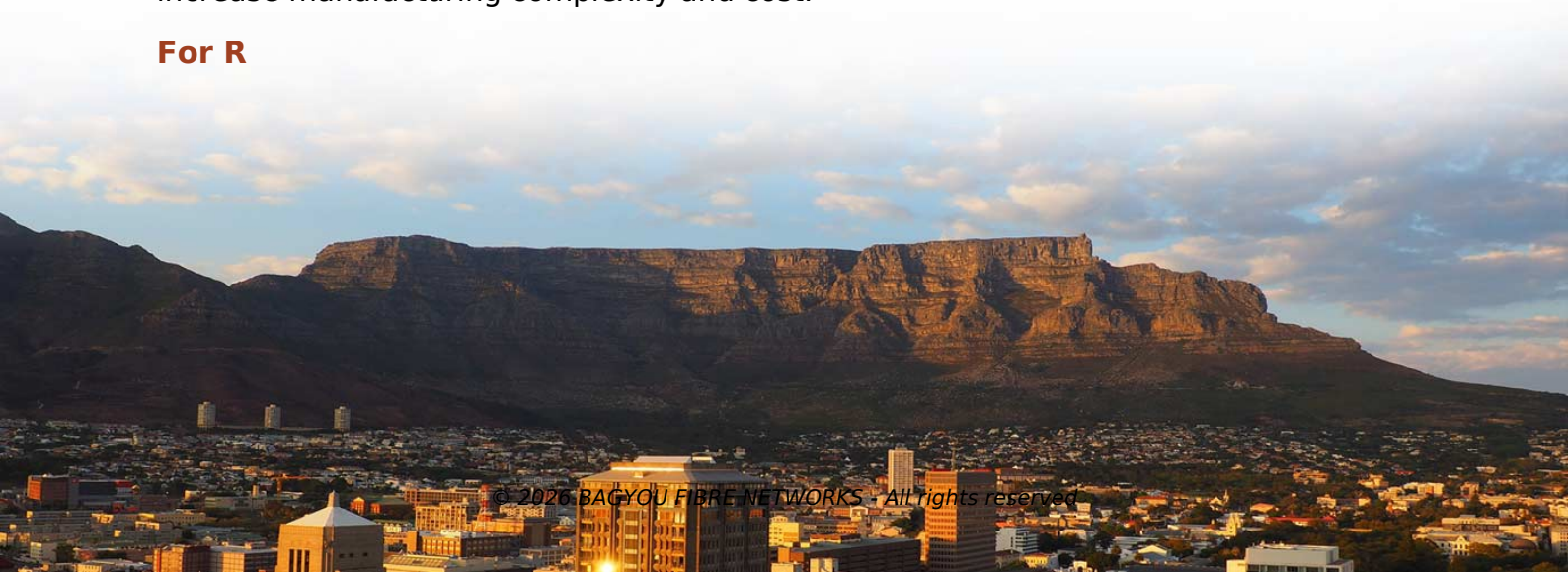
The cost of dimmable or variable attenuators typically ranges from $20 to several hundred dollars per unit, depending on type, frequency range, power rating, and customization.

Factors Affecting Cost

Type of AttenuatorRF/Coaxial Attenuators: Digital step or voltage-variable attenuators for RF applications can range from $50 to $300 for standard models, with high-frequency or high-power units costing more. Optical Attenuators: Variable optical attenuators (VOAs) for fiber-optic systems typically cost $100–$500, depending on wavelength range, insertion loss, and precision. Acoustic/HVAC Attenuators: Custom-made duct or fan attenuators are priced based on size, material, and noise reduction requirements, often $200–$1,000 per unit for industrial applications.

Power and Frequency Ratings Higher power handling or wider frequency ranges increase manufacturing complexity and cost.

For R



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F attenuators, units rated for up to 2W or higher and frequencies up to 86 GHz are more expensive. Material and Finish Materials such as stainless steel, marine-grade aluminum, or specialized plastics, along with protective or decorative finishes, can significantly affect cost, especially for acoustic or HVAC attenuators. Customization and Quantity Custom designs, including specific dimensions, splitter orientations, or dimmable control mechanisms, increase unit cost.

Bulk orders can reduce per-unit pricing, while one-off or highly specialized units are more expensive. Supplier and Location Prices vary by supplier and region. For example, UK-based manufacturers like Allaway Acoustics offer bespoke attenuators with flexible materials and finishes, which may be more costly than standard off-the-shelf units.

Summary

Standard R

F dimmable attenuators: $50–$300Variable optical attenuators: $100–$500Custom acoustic/HVAC attenuators: $200–$1,000+ For precise pricing, it is recommended to contact suppliers directly with specifications such as frequency, power, attenuation range, and desired dimming control, as these factors heavily influence the final cost.

Article Content

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Global Electrically Adjustable Optical Attenuator Market Research ...

The global Electrically Adjustable Optical Attenuator market size was estimated at USD 10630.0 million in 2024 and is projected to grow at a compound annual growth rate (CAGR) of 13.20% during the

Amazon : Rf Attenuator

Amazon : rf attenuator Nooelec SMA Attenuator Kit - Bundle of 6pc 2W 50 Ohm SMA in-Line Attenuators Provides Highly Linear Attenuation from 1dB to 42dB in 1dB Increments. 1dB, 2dB, 3dB,

Sound Attenuation

Sound Attenuation A range of round semi-flexible and rigid insulated sound attenuators that can be used in conjunction with various ventilation systems to help reduce noise ingression.

Amazon .uk: Attenuators

Nooelec SMA Attenuator Kit - Bundle of 6pc 2W 50 Ohm SMA In-Line Attenuators Provides Highly Linear Attenuation from 1dB to 42dB in 1dB Increments. 1dB, 2dB, 3dB, 6dB, 10dB & 20dB Adapters

Global Electrically Adjustable Optical Attenuator Market 2025 by ...

Chapter 2, to profile the top manufacturers of Electrically Adjustable Optical Attenuator, with price, sales quantity, revenue, and global market share of Electrically Adjustable Optical Attenuator from 2020 to

High-performance mems voa electronically controlled attenuator ...

Overall, the mems voa electronically controlled adjustable attenuator is undoubtedly a professional-grade device that combines high performance with practicality. For those who can

Programmable Attenuators

Programmable attenuators including solid state programmable attenuators, electromechanical programmable attenuators, and multi-channel attenuator systems. High Attenuation Ranges with low

Amazon : Audio Attenuator

Amazon : audio attenuator ClimeCo certifies products whose carbon emissions have been assessed, verified, decarbonized, and are on a committed path towards continual emissions

Handheld Optical Variable Attenuator JW3303 Dimmable ...

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JW3303 handhold optical variable attenuator is used for continuously variable optical signal attenuation. As the attenuator is used in the laser system for the on-line testing, therefore,

Global Electrically Adjustable Optical Attenuator Market Research ...

An electric dimmable attenuator is a device used to adjust the brightness of a light, which can change the brightness of the light source by controlling the current or voltage. With increasing concerns

84907L Programmable Attenuator, 40 GHz, 70 dB, 10 dB Steps

Offers a compact, rugged design with attenuator range of 0 to 70 dB in 10-dB steps and exceptionally low insertion loss.

Electrically Adjustable Optical Attenuator

Chapter 2: Detailed analysis of Electrically Adjustable Optical Attenuator manufacturers competitive landscape, price, sales and revenue market share, latest development plan, merger, and acquisition

Attenuators – Mouser

Attenuators are available at Mouser Electronics. Mouser offers inventory, pricing, & datasheets for Attenuators.

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

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