

Adjustable Attenuator Price List

Article Overview

Adjustable attenuators typically range from \$5 to over \$100 depending on type, frequency range, and application.

Price Overview

The cost of an adjustable attenuator varies widely based on application (audio, RF, or fiber optic), attenuation range, frequency handling, and build quality. For example:

- o RF and wireless attenuators available from distributors like DigiKey and Mouser can range from \$10 to \$100+ depending on frequency range (0-86 GHz) and power handling .
- o Audio or general-purpose adjustable attenuators on platforms like AliExpress or Alibaba often start around \$5-\$20 for basic models suitable for home or small studio use .
- o Fiber optic adjustable attenuators from suppliers on Made-in-China or Alibaba may cost \$15-\$50 per unit, with factory or wholesale pricing potentially lower for bulk orders .

Factors Affecting Price

- o Frequency Range and Power Handling: Higher frequency or higher power attenuators are more expensive due to precision components and materials.
- o Type of Attenuator: Coaxial, in-line, or surface-mount designs differ in cost. RF and fiber optic attenuators generally cost more than simple audio models.
- o Brand and Supplier: Authorized distributors like DigiKey or Mouser may charge more than direct factory suppliers on Alibaba or Made-in-China, but they offer verified quality and warranty.
- o Quantity: Bulk purchases often reduce the per-unit cost, especially from manufacturers or wholesale suppliers.

Buying Tips

- o Determine the signal type (audio, RF, or optical) and maximum input level.
- o Check the attenuation range (e.g., 0-20 dB, 0-30 dB) to match your application.
- o Compare supplier reliability and shipping costs, especially for international orders.
- o For professional or high-frequency applications, prioritize quality and manufacturer certification over the lowest price. By considering these factors, you can select an adjustable attenuator that balances performance, reliability, and cost for your specific needs.

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