

Flange Optical Attenuator Specifications and Models



AI Overview

Flange optical attenuators are available in various models offering 1–30 dB attenuation, high power handling, and customizable configurations for RF and optical applications. Overview of Flanged Attenuator Models

Flanged attenuators are designed to reduce signal power while maintaining low reflection and high reliability. They are commonly used in high-power amplifiers, isolators, and RF/microwave systems. Key models and specifications include:

- Barry Industries Flanged Attenuators:** Standard models offer 2–30 dB attenuation for AlN and 0–30 dB for BeO types, with power ratings assuming a flange temperature of 100°C. Custom designs are available for higher power (>250 W) or special attenuation values, with mechanical tolerances of ± 0.010 " and Copper Tungsten mounting flanges for pulsed power applications.
- Spectrum Control Flange Mount SMT Attenuators:** These attenuators handle frequencies up to 4 GHz and power levels up to 250 W, designed to minimize reflection. They are suitable for terminating attenuators in isolators or sampling lower-level signals. Custom designs are available based on specific requirements.
- KYOCERA AVX FA Series:** High-power flange mount attenuators offering 1–30 dB attenuation, frequency range up to 3 GHz, and power handling up to 150 W. Manufactured in ISO 9001 facilities, these are suitable for high-reliability applications.
- Preferred Power Products HYBR-FILM™ Flanged Attenuators:** High-performance RF and microwave resistive attenuators with standard power ratings up to 150 W, designed for solder or bolt-down flange mounting. Applications include medical, broadcast, industrial, military, and space systems. Custom modifications and higher power levels are available upon request.
- Allaway Acoustics Rectangular Flanged Models (SP/SL):** These attenuators are constructed from pre-galvanized or stainless steel, with options for...

Article Content

Exploring Optical Attenuator Types and Applications: A

optical attenuators are indispensable components in fiber optic communication systems, offering precise control over signal power levels and

Flanged Attenuators

Temperature Coefficient: <150ppm/°C Substrate Material: Beryllium Oxide(BeO)
Porcelain Hat Material: Aluminum Oxide(Al₂O₃) Flange: Nickel-plated Copper Lead:
99.99% Sterling Silver Resistance 2

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 attenuators, and when and how to use them.

Fiber Attenuators & Optical Couplers | Amphenol-Fiber Optic Products

Control signal strength and split optical paths with Amphenol FOP's durable fiber attenuators and precision optical couplers-ideal for telecom, data centers, and test setups.

Optical Attenuators | Keysight

Select the optical attenuator you need to simulate real-world optical link conditions, calibrate power levels, or automate signal conditioning in your optical test setup based on maximum attenuation and

Vishay / Barry Industries A Series High-Power Flanged Attenuators

Vishay / Barry Industries A Series High-Power Flanged Attenuators feature a high 250W input power rating and flanged mounting capability. The attenuators provide a covered resistive

10pcs 15dBm SC Flange Type Optical Attenuator

10pcs 15dBm SC Flange Type Optical Attenuator The fixed fiber optic attenuator is made of standard high-precision dust blue. Used in various optical fiber transmission lines, the attenuation precision is

The Ultimate Guide to Fibre Optic Attenuators

To reduce the power in fibre links, fibre optic attenuators are leveraged. This white paper will shed light on the types, working principles, and applications of fibre optic attenuators, which will help you gain a

Optical Attenuators – fixed, variable, VOA, high-power, fiber-optic ...

Optical attenuators are devices which can reduce the optical power e.g. of a light beam. Some types provide variable attenuation.

Flange Attenuators

Listing of all Electro Technik companies with their complete contact details. [CLICK HERE FOR DETAILS.](#)

Barry Industries: Flanged Attenuators

Below are Barry Industries' standard flanged attenuators. Engineers are welcome to contact us and we will design a custom flanged attenuator to your exact specifications.

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 in an optical fiber. The basic types of optical attenuators are fixed, step

Flange Mount Attenuators – FA Series

The FA Series of high power flange mount attenuators offer 1 - 30 dB of attenuation, with a frequency range up to 3GHz & power handling capability up to 150W.

E2000 UPC Adapter Fiber Optical Flange Attenuator

Telhua's E2000 UPC Adapter Fiber Optical Flange Attenuator provides precise signal control for high-density fiber networks. IEC/TIA/EIA

SC Flange Attenuator

SC Flange Attenuator This series of Flange attenuator has the same appearance as a regular fiber optic adapter. It achieves attenuation of optical signal by setting

Variable Optical Attenuators

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

AC Photonics Inc

Optical attenuators reduce the intensity of transmitted light uniformly across the spectrum. Applications include preventing too much light from overloading a

Flange Mount Attenuators

Flange SMT attenuators are available for frequencies up to 4 GHz and power levels up to 250 Watts. Other designs are available upon request depending on required specifications. Other RF attenuator

Attenuator brochure

B - 20mm Profile Flanges formed on an automated duct line from the parent metal of the casing, and fitted with one or two piece flange corners (LG, SG - RG models also available but fitted with 20mm

Brochure for OPT716 In-line Adjustable Optical Attenuator

OPT716 – In-line Adjustable Optical Attenuator The Kingfisher International OPT716 series adjustable fiber optic attenuator is an inexpensive un-calibrated device typically used to adjust an optical power

Technical Brochure

6 BG - Bend Attenuators with Splitters 7 With profile flanges 10 9 8 Flameshield Fire-rated Attenuators 12 11 Manufacturing Attenuator Constructional Specification 13 Attenuator Performance 16 15 14

Flange Fixed Attenuator | Smiths Interconnect China Official Website

High power flange mount components offer high performance and the convenience of bolt-on installation. All devices are made RoHS compliant and available in Aluminum Nitride (AlN) or BeO.

Single mode Attenuators

Single mode attenuators are used in communication systems to reduce optical power launched onto the photo detector.

Powerfilm™ Flange Attenuators Spectrum Control | Amtele

Powerfilm™ flange attenuators are designed to uniformly reduce power of the RF signal while generating only a small reflection even under maximum power conditions. The flange attenuators are

Optical Attenuators | Keysight

Controlled optical signal conditioning for automated optical workflows Keysight optical attenuators provide precise control of optical signal power for accurate and repeatable optical component testing.

Contact Us

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