

# Parameters of the adjustable attenuator



## Overview

Adjustable Attenuator provides wideband DC-2GHz coverage, 2W power handling, low VSWR, and precise 0-10dB attenuation, making it ideal for RF testing and in-building wireless solutions. Typical values of fixed attenuators (sometimes are 3 dB, 6 dB, 10 dB, 20 dB and 30 dB. For example, a 6 dB pad will attenuate as signal by 6 dB—the output power will be one forth of the input power. DAT-31A+ series models are produced by a unique CMOS process on silicon, offering the performance of GaAs. An attenuator is a passive broadband electronic device that reduces the power of a signal without appreciably distorting its waveform. Note2: Higher performance specifications available upon request. This type of component is generally used to balance signal levels in the signal chain, to extend the dynamic range of a system, to provide impedance matching, and to. Understand RF attenuator specifications & parameters so that the correct electronic components are selected for any RF circuit design or system. Home » Radio & RF technology » this page Check out my PDF download: Concise Guide to RF Attenuators & Their Design There are very many different forms of.

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Typical voltage control attenuators can provide attenuation from a minimum of a few dB to a maximum of as much as 50 dB. Unlike the digital attenuator, this attenuation range is a continuous function of VC, ...



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Attenuators are usually passive devices made from simple voltage divider networks. Switching between different resistances forms adjustable stepped attenuators and continuously adjustable ones using ...



When the attenuator powers up, the five control bits are set to whatever data is present on the five data inputs (C1 to C16). This allows any one of the 32 attenuation settings to be specified as the power-up ...



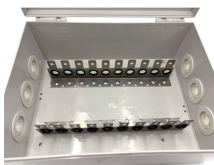
Note1: All values specified are without connectors.  
 Note2: Higher performance specifications available upon request.



If the attenuator is a fixed-value unit, the flatness needs to be specified only at that single dB value. However, for variable attenuators, the flatness may vary with the amount of attenuation, so ...



Passive attenuators use resistor networks for signal reduction without power, while active attenuators can include components like MOSFETs and PIN diodes for adjustable attenuation levels.



Adjustable attenuators are required when measuring a receiver sensitivity in the radar. Very precise attenuators are required when particularly high demands are made on the accuracy and repeatability ...



From the key functional perspective, attenuators can be classified as fixed attenuators with an unchanging level of attenuation and variable attenuators with an adjustable level of attenuation.

## Contact Us

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