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INDUSTRIAL PRODUCT DATASHEET

SMA Attenuator - 30dB

The SMA Attenuator - 30dB safely extends RF Explorer's input protection range to +30dBm (1W) with precise 30dB attenuation.

SKU	UPDATED	PRICE
113990030	2024-08-09 02:11:40	$19.90(Excl. VAT)



Overview



The SMA Attenuator - 30dB reduces input power to RF Explorer, enabling measurement of stronger signals and protecting the SMA port from damage when unknown strong signals are present. It operates from DC to 3.0 GHz with 30 dB attenuation, 50Ω impedance, and 1 Watt (+30dBm) power rating.

Key Features

SMA attenuators are used to reduce the input power, and therefore enable RF Explorer to measure stronger signals. It is also used to protect the input SMA port of RF Explorer when unknown strong signals may be in the environment, so you can use this attenuator on demand.You can easily unplug the attenuator when measurement is for weak signals.

You can also combine multiple attenuators to get additional values. For instance a 10 dB + 30dB attenuators connected in series will give you 40dB total attenuation.

RF Explorer firmware v1.09 and newer includes an “Offset DB” feature in the Attenuator Menu, you should specify (-30) dB in this setting when the attenuator is connected in order to get correct readings on screen.

This 30dB attenuator will extend the valid protection range of most RF Explorer models to up +30dBm safely (1W).

See **this article** for more details on protection of your RF Explorer.

Feature

- Reliable V.S.W.R
- Easy maintenance
- Wide broadband frequency application
- Directional 1 Watt rating

Specification

- Frequency range: DC ~ 3.0 GHz
- Impedance (Nominal): 50Ω
- Power rating: 1 Watt (+30dBm)
- Attenuation: 30 dB
- Tolerance: +/- 1dB/max
- V.S.W.R (Max): 1.20 : 1
- Connector type: SMA male – female
- Connector: Brass / Gold plating
- Body: Brass / Gold plating

Datasheet

Product Gallery







Resource Links

- https://www.seeedstudio.com/SMA-Attenuator-30dB-p-1258.html

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