

1 dB Fixed Attenuator SMA Male (Plug) to SMA Female (Jack) Up to 3 GHz Rated to 2 Watts, Brass Tri-Metal Body, 1.15 VSWR



SA3-01

Features

Applications

Description

Fairview Microwave carries a broad selection of fixed attenuators with a wide range of attenuation levels, frequency ranges, and power dissipation ranges. Also known as RF pads, RF microwave attenuators lower the amplitude of a signal (or attenuate) a known amount. These attenuator pads can be used in a wide variety of applications including reducing a signal level to protect measurement equipment or other circuitry, extending the range of power meters and amplifiers, and impedance matching circuits by reducing the VSWR seen by adjacent components. RF attenuators can prevent signal overload in amplifiers, receivers and detectors, adjusting the signal level to a range that is optimal.

Few RF components are as commonly used as fixed coaxial attenuators, and Fairview Microwave carries one of the largest in-stock varieties and ships them same day. The SA3-01 is a 1 dB Fixed Attenuator that operates from DC to 3 GHz and is rated to 2 Watts. The versatile coaxial package uses SMA male to SMA female connectors.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
Impedance		50		Ohms
Nominal Attenuation		1		dB
VSWR			1.15:1	
Input Power, CW			2	Watts
Input Power, Peak			250	Watts

Mechanical Specifications

Size

Length	0.86 in [21.84 mm]
Width/Diameter	0 in [0 mm]
Height	0 in [0 mm]
Weight	0.00838 lbs [3.8 g]
Body Material and Plating	Brass, Tri-Metal

Configuration

Design	Fixed
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Connectors

Description	Connector 1	Connector 2
Type	SMA Male	SMA Female
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Body Material and Plating	Brass, Tri-Metal	

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Environmental Specifications

Temperature

Operating Range

-55 to +125 deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

Typical Performance Data

1 dB Fixed Attenuator SMA Male (Plug) to SMA Female (Jack) Up to 3 GHz Rated to 2 Watts, Brass Tri-Metal Body, 1.15 VSWR from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [1 dB Fixed Attenuator SMA Male \(Plug\) to SMA Female \(Jack\) Up to 3 GHz Rated to 2 Watts, Brass Tri-Metal Body, 1.15 VSWR SA3-01](#)

URL: <https://www.fairviewmicrowave.com/1db-fixed-attenuator-sma-male-sma-female-2-watts-sa3-01-p.aspx>

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