

1.7 to 31 dB Step Attenuator With a 1 dB Step SMA Female (Jack) Connectors Rated Up To 2.7 GHz and Up to 2 Watts in a Dial, 1.6 VSWR



SA3101SMA

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		2.7	GHz
Impedance		50		Ohms
Insertion Loss			1	dB
Attenuation Value		1.7 to 31		dB
Step Size		1		dB
Step Type		Dial		
Input Power (CW)			2	Watts
Input Power, Peak			2	Watts
VSWR			1.6:1	

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Range	DC to 1	1 to 2	2 to 2.7			GHz
VSWR	1.35:1	1.45:1	1.6:1			
Attenuation Accuracy	0.3	0.7	1.3			dB

Mechanical Specifications

Size

Length	2.2 in [55.88 mm]
Width	1.73 in [43.94 mm]
Height	0.512 in [13 mm]
Weight	0.17946 lbs [81.4 g]
Body Material and Plating	Aluminum, Nickel

Connectors

Description	Connector 1	Connector 2
Type	SMA Female	SMA Female
Body Material and Plating	Brass	Brass

Environmental Specifications

Temperature

Operating Range	-40 to 85 deg C
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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For additional information on this product, please click the following link: [1.7 to 31 dB Step Attenuator With a 1 dB Step SMA Female \(Jack\) Connectors Rated Up To 2.7 GHz and Up to 2 Watts in a Dial, 1.6 VSWR SA3101SMA](https://www.fairviewmicrowave.com/31db-step-attenuator-1db-sma-female-dc-2.7-ghz-2-watts-sa3101sma-p.aspx)

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