

1.7 to 31 dB Step Attenuator With a 1 dB Step N  
Female Connectors Rated Up To 2.7 GHz and  
Up to 2 Watts in a Dial Design



## SA3101N

### 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	1.35:1			
Attenuation Accuracy	0.3	0.7	1.3			dB

### Mechanical Specifications

#### Size

Length	2.32 in [58.93 mm]
Width	1.9 in [48.26 mm]
Height	0.667 in [16.94 mm]
Weight	0.36597 lbs [166 g]
Body Material and Plating	Aluminum, Nickel

### Connectors

Description	Connector 1	Connector 2
Type	N Female	N 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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1.7 to 31 dB Step Attenuator With a 1 dB Step N Female Connectors Rated Up To 2.7 GHz and Up to 2 Watts in a Dial Design 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: [1.7 to 31 dB Step Attenuator With a 1 dB Step N Female Connectors Rated Up To 2.7 GHz and Up to 2 Watts in a Dial Design SA3101N](https://www.fairviewmicrowave.com/31db-step-attenuator-1db-n-female-dc-2.7-ghz-2-watts-sa3101n-p.aspx)

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