

1.5 to 50 dB Step Attenuator With a 1 dB Step
SMA Female Connectors Rated Up To 3 GHz and
Up to 2 Watts in a Dial Design



SA3550S

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
Impedance		50		Ohms
Insertion Loss			1.5	dB
Attenuation Value		1.5 to 50		dB
Step Size		1		dB
Step Type		Dial		
Input Power (CW)			2	Watts
Input Power, Peak			1	kWatts
VSWR			1.5:1	

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Range	DC to 1	1 to 2	2 to 3			GHz
Insertion Loss	0.6	1	1.5			dB
VSWR	1.3:1	1.4:1	1.5:1			
Attenuation Accuracy	0.25	0.35	0.5			dB

Mechanical Specifications

Size

Length	5.121 in [130.07 mm]
Width	7.35 in [186.69 mm]
Height	1.5 in [38.1 mm]
Weight	0.781 lbs [354.26 g]

Connectors

Description	Connector 1	Connector 2
Type	SMA Female	SMA Female

Environmental Specifications

Temperature

Operating Range	-55 to 100 deg C
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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1.5 to 50 dB Step Attenuator With a 1 dB Step SMA Female Connectors Rated Up To 3 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: [1.5 to 50 dB Step Attenuator With a 1 dB Step SMA Female Connectors Rated Up To 3 GHz and Up to 2 Watts in a Dial Design SA3550S](https://www.fairviewmicrowave.com/50db-step-attenuator-1db-sma-female-dc-3-ghz-2-watts-sa3550s-p.aspx)

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