

**30 dB Fixed Attenuator N Male To N Female Up To 3 GHz Rated To 300 Watts With Black Aluminum Heatsink Paint Body**



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 selections and ships them same day. The SA3N300-30 is a 30 dB Fixed Attenuator that operates from DC to 3 GHz and is rated to 300 Watts. The versatile coaxial package uses N male to N female connectors and is also REACH and RoHS compliant. The Black Anodized Aluminum Heatsink body allows for efficient heat dissipation under high power usage conditions.

**Electrical Specifications**

Description	Min	Typ	Max	Units
Frequency Range	DC		3	GHz
Impedance		50		Ohms
Nominal Attenuation		30		dB
Attenuation Accuracy			±1.45	dB
VSWR			1.45:1	
Input Power, CW			300	Watts
Input Power, Peak			10	KWatts

**Mechanical Specifications**

Size	
Length	13.9 in [353.06 mm]
Width/Diameter	5.12 in [130.05 mm]
Height	5.51 in [139.95 mm]
Weight	0.52911 lbs [240 g]
Body Material and Plating	Black Anodized Aluminum Heatsink, Paint
Configuration	
Design	Fixed

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**Connectors**

Description	Connector 1	Connector 2
Type	N Male	N Female
Connection Method	Standard	Standard
Polarity	Standard	Standard
Contact Material & Plating	Brass, Gold	Beryllium Copper, Gold
Contact Plating Spec.	MIL-G-45204	MIL-G-45204
Coupling Nut Material & Plating	Brass, Nickel	
Body Material & Plating	Brass, Nickel	Brass, Nickel

**Environmental Specifications**

**Temperature**

Operating Range -55 to +125 deg C

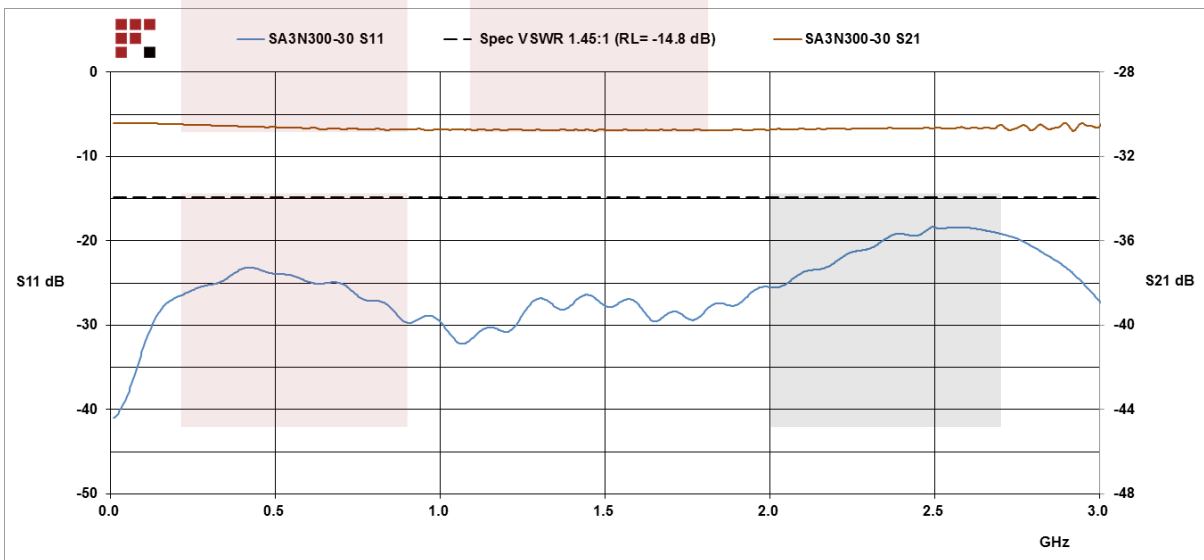
**Compliance Certifications** (visit [www.FairviewMicrowave.com](http://www.FairviewMicrowave.com) for current document)

RoHS Compliant Yes  
 REACH Compliant 12/17/2015

**Plotted and Other Data**

Notes:

**Typical Performance Data**

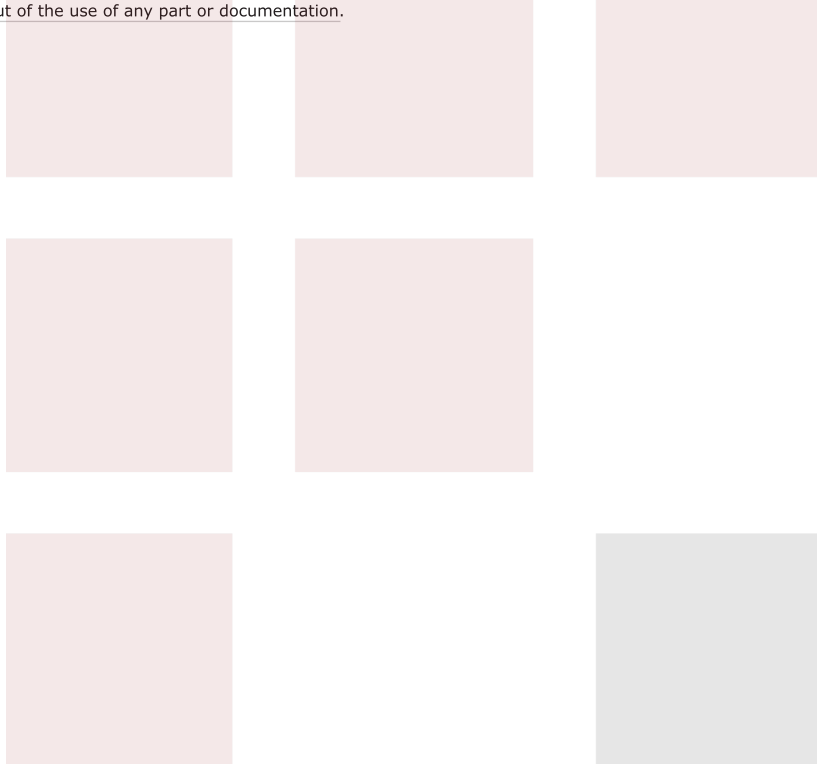


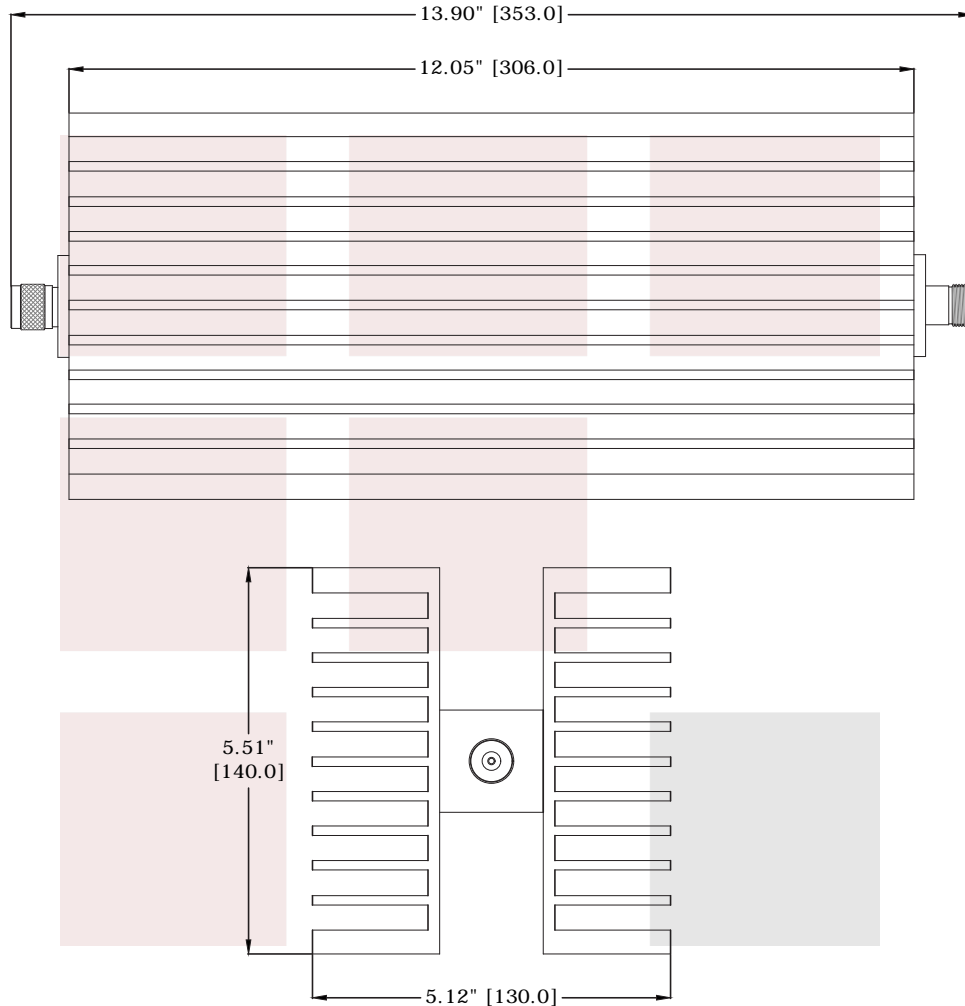
30 dB Fixed Attenuator N Male To N Female Up To 3 GHz Rated To 300 Watts With Black Aluminum Heatsink Paint Body from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [30 dB Fixed Attenuator N Male To N Female Up To 3 GHz Rated To 300 Watts With Black Aluminum Heatsink Paint Body SA3N300-30](#)

URL: <http://www.fairviewmicrowave.com/30db-fixed-attenuator-n-male-n-female-300-watts-sa3n300-30-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.





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TITLE 30 dB Fixed Attenuator N Male To N Female Up To 3 GHz Rated To 300 Watts With Black Aluminum Heatsink Paint Body		DWG NO <b>SA3N300</b>		CAGE CODE <b>3FKR5</b>	
		CAD FILE 033116	SHEET	SCALE N/A	SIZE A