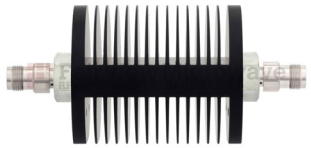
Fairview Microwave
RF COMPONENTS ON DEMAND. Done!

SA8TFTF25W-50
DATA SHEET

50 dB Fixed Attenuator TNC Female To TNC Female Up To 6 GHz Rated To 25 Watts With Black Aluminum Heatsink Body



Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		6	GHz
Impedance		50		Ohms
Nominal Attenuation		50		dB
VSWR			1.3:1	
Input Power, CW			25	Watts
Input Power, Peak			500	Watts

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Range	DC to 6					GHz
VSWR	1.3:1					
Atten Accuracy, Typ	±0.5					dB
Input Power, CW	25					Watts

Mechanical Specifications

Size

Length	4.5 in [114.3 mm]
Width/Diameter	2.41 in [61.21 mm]
Weight	0.8 lbs [362.87 g]
Body Material and Plating	Black Anodized Aluminum Heatsink

Configuration

Design	Fixed, Bidirectional

Connectors

Description	Connector 1	Connector 2
Type	TNC Female	TNC Female
Contact Material & Plating	Brass, Gold	Beryllium Copper, Gold
Contact Plating Spec.	Gold	
Outer Conductor Material & Plating		Stainless Steel, Passivated
Coupling Nut Material & Plating	Stainless Steel, Passivated	
Coupling Nut Plating Spec.	Stainless Steel	
Hex Size	16-Nov In.	16-Nov In.
Body Material & Plating	Stainless Steel, Passivated	Stainless Steel, Passivated
Body Plating Spec.	Passivated	

Environmental Specifications

Temperature

Operating Range	-55 to 125 deg C

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Compliance Certifications (visit www.FairviewMicrowave.com for current document)

RoHS Compliant	Yes

Plotted and Other Data

Notes:

50 dB Fixed Attenuator TNC Female To TNC Female Up To 6 GHz Rated To 25 Watts With Black Aluminum Heatsink 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: 50 dB Fixed Attenuator TNC Female To TNC Female Up To 6 GHz Rated To 25 Watts With Black Aluminum Heatsink Body SA8TFTF25W-50

URL: http://www.fairviewmicrowave.com/50db-fixed-attenuator-tnc-female-tnc-female-25-watts-sa8tftf25w-50-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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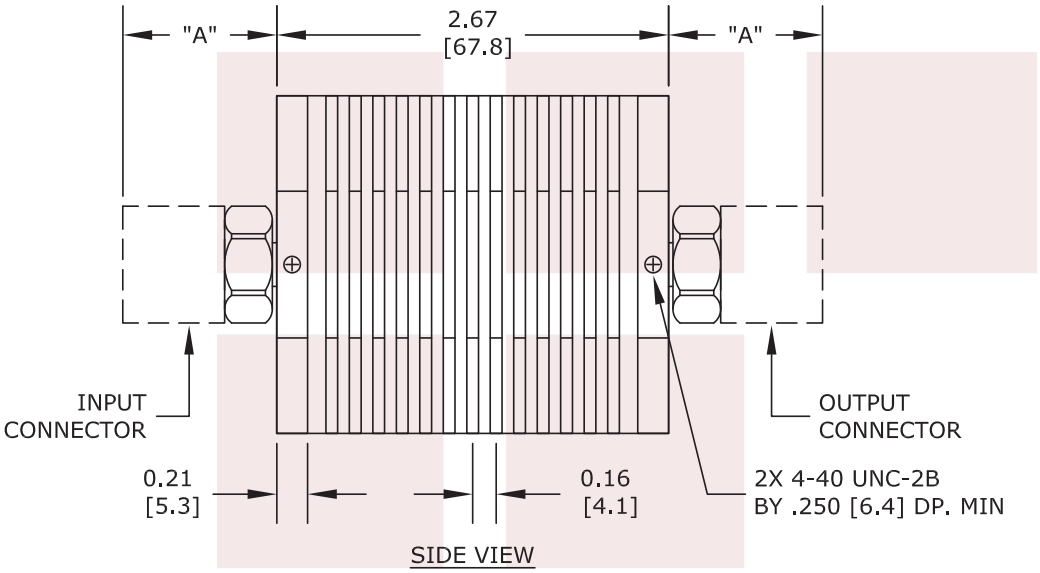
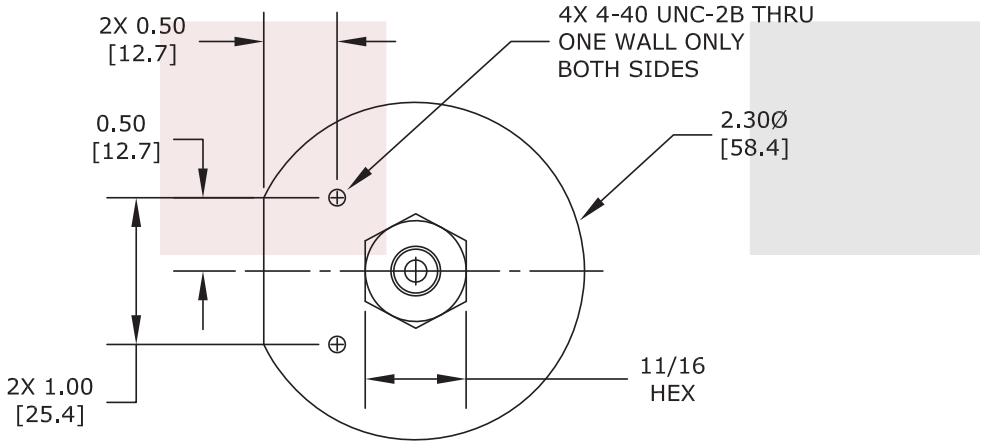
Part Number Configuration		
Part Number	**Input Connector**	**Output Connector**
SA8SMSF25W-50	SMA Male	SMA Female
SA8SFSF25W-50	SMA Female	SMA Female
SA8NMNF25W-50	N Male	N Female
SA8NFNF25W-50	N Female	N Female
SA8TMTF25W-50	TNC Male	TNC Female
SA8TFTF25W-50	TNC Female	TNC Female

Table of Information	
Connector Type	**DIM "A" (REF.)**
SMA Male	0.7800
SMA Female	0.6300
TNC Male	0.9600
TNC Female	1.0600
N Female	1.0900
N Male	1.1300
7/16 Male	1.2800
7/16 Female	1.3200



SIDE VIEW



RIGHT VIEW

FAIRVIEW MICROWAVE INC. ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM			NOTES: 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES [mm].		
TITLE 50 dB Fixed Attenuator TNC Female To TNC Female Up To 6 GHz Rated To 25 Watts With Black Aluminum Heatsink Body	DWG NO SA8XXXX25w-50		CAGE CODE 3FKR5		
CAD FILE 020216	SHEET	SCALE N/A	SIZE A	3045	

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