

**6 dB Fixed Attenuator N Male To N Male Directional  
 Up To 3 GHz Rated To 300 Watts With Black  
 Aluminum Heatsink Body**

**Electrical Specifications\***

Description	Min	Typ	Max	Units
Frequency Range	DC		3	GHz
Impedance		50		Ohms
Attenuation Value		6		dB
Attenuation Accuracy		1		dB
Accuracy Statement	Attenuation accuracy it + / -			
Input Power			300	Watts
Peak Power			2.5	KWatts
VSWR			1.4:1	

\* Values at 25°C, sea level

**Specifications by Frequency**

Description	F1	F2	F3	F4	F5	Units
Range	DC to 1.5	1.5 to 3				GHz
VSWR	1.2:1	1.4:1				
Attenuation Value	6	6				dB
Atten. Accuracy	± 0.75	± 1				dB

**Mechanical Specifications**

**Temperature**

Operating Range	-55 to +125 deg C
Width	6.2 in [157.48 mm]
Height	6.3 in [160.02 mm]

**Connectors**

Description	Connector 1	Connector 2
Type	N Male	N Male
Contact Material & Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Coupling Nut Material & Plating	Passivated Stainless Steel	Passivated Stainless Steel
Body Material & Plating	Passivated Stainless Steel	Passivated Stainless Steel

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

RoHS Compliant	Yes
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**Plotted and Other Data**

Notes:

- Values at 25 °C, sea level
- Calculated Heatsink Thermal Rise: .7C / Watt



**Features:**

- Design: Fixed, Directional Attenuator
- Connector 1: N Male
- Connector 2: N Male
- Body Material and Plating: Black Aluminum Heatsink

Fairview Microwave  
 1130 Junction Dr. #100  
 Allen, TX 75013  
 Tel: 1-800-715-4396 / (972) 649-6678  
 Fax: (972) 649-6689  
[www.fairviewmicrowave.com](http://www.fairviewmicrowave.com)  
[sales@fairviewmicrowave.com](mailto:sales@fairviewmicrowave.com)

6 dB Fixed Attenuator N Male To N Male Directional Up To 3 GHz Rated To 300 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: [6 dB Fixed Attenuator N Male To N Male Directional Up To 3 GHz Rated To 300 Watts With Black Aluminum Heatsink Body SA3NMM300W-06](#)

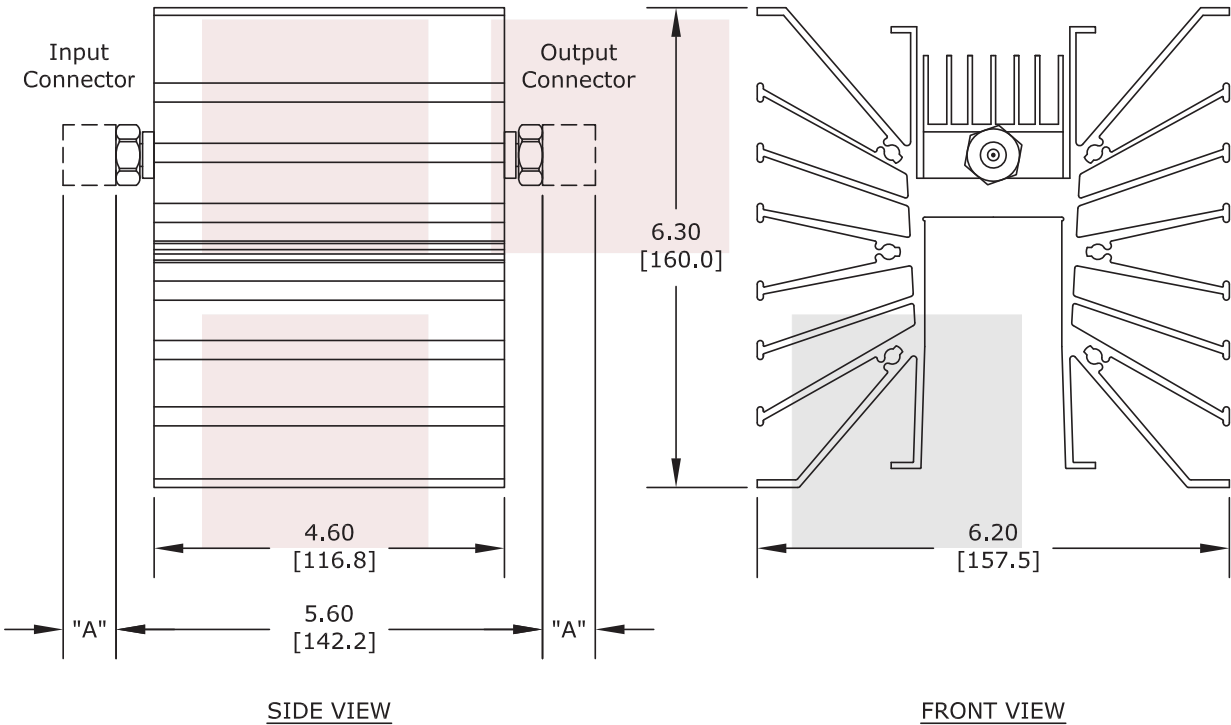
URL: <http://www.fairviewmicrowave.com/6db-fixed-attenuator-n-male-n-male-300-watts-sa3nmm300w-06-p.aspx>

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.



Table of Information	
Connector Type	Dim "A" (Ref.)
SMA Male	0.88
SMA Female	0.73
TNC Male	1.06
TNC Female	1.16
N Female	1.19
N Male	1.23
7/16 Male	1.38
7/16 Female	1.42

Part Number Configuration		
xx	Input Connector	Output Connector
SMM	SMA Male	SMA Male
SMF	SMA Male	SMA Female
SFF	SMA Female	SMA Female
SFM	SMA Female	SMA Male
NMM	N Male	N Male
NMF	N Male	N Female
NFF	N Female	N Female
NFM	N Female	N Male
TMM	TNC Male	TNC Male
TMF	TNC Male	TNC Female
TFF	TNC Female	TNC Female
TFM	TNC Female	TNC Male
DMM	7/16 Male	7/16 Male
DMF	7/16 Male	7/16 Female
DFM	7/16 Female	7/16 Male
DFF	7/16 Female	7/16 Female
- yy	Indicates Attenuation Level	



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TITLE 6 dB Fixed Attenuator N Male To N Male Directional Up To 3 GHz Rated To 300 Watts With Black Aluminum Heatsink Body	DWG NO SA3xxx300W-yy		CAGE CODE 3FKR5		
	CAD FILE 090914	SHEET	SCALE N/A	SIZE A	2233