

## RA SMA Female to N Male Adapter

RA SMA female to type N male adapter part number SM4216 from Fairview Microwave is in-stock and ships same day. This Fairview SMA to type N adapter has a female to male gender configuration. SM4216 SMA female to type N male adapter operates to 4 GHz. The SMA connector mates mechanically with commercially available 3.5mm and 2.92mm (K) connectors. This low profile right angle SMA to type N adapter allows for easier connections in tight spaces. The Fairview Microwave RF adapter provides excellent VSWR of 1.2:1 maximum.

RF adapters can be used to enable connections between two connector types that would otherwise not mate. Certain RF adapter configurations can also be used to protect connectors on expensive equipment where the number of connect and disconnect cycles is high. An RF, microwave, or millimeter wave adapter is connected to the equipment and the commonly changed connection is made with the adapter which can be easily replaced when it wears out after high usage; such adapters are referred to as connector savers. Fairview Microwave also offers bulkhead, panel mount, hermetically sealed, reverse polarity, and isolated ground adapter varieties to serve all of your RF, microwave and millimeter wave needs.

### Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		4	GHz
VSWR			1.2:1	
Operating Voltage (AC)			335	Vrms
DWV (AC)			1,000	Vrms

Electrical Specification Notes:  
Values at 25°C, sea level.

### Mechanical Specifications

<b>Size</b>	
Length	1.12 in [28.45 mm]
Width	0.79 in [20.07 mm]
Weight	0.0908 lbs [41.19 g]

Description	Connector 1	Connector 2
Type	SMA Female	N Male
Polarity	Standard	Standard
Mating Cycles	100	100
Hex Size		20 mm



### Configuration:

- SMA Female Connector 1
- N Male Connector 2
- 50 Ohms
- Right Angle Body Geometry

### Features:

- VSWR of 1.2:1 max up to 4 GHz
- 1.3  $\mu$ m minimum contact plating
- Gold Plated Beryllium Copper Contact

### Applications:

- Enables Between Series Connections
- General Purpose Test

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## Material Specifications

Description	Connector 1	Connector 2
Type	SMA Female	N Male
Contact Material	Beryllium Copper	Brass
Contact Plating	Gold	Gold
Contact Plating Spec.	1.3 $\mu\text{m}$ minimum	1.3 $\mu\text{m}$ minimum
Insulation Material	PTFE	PTFE
Outer Contact Material	Brass	
Outer Contact Plating	Tri-Metal	
Body Material		Brass
Body Plating		Tri-Metal
Coupling Nut Material		Brass
Coupling Nut Plating		Tri-Metal

## Environmental Specifications

### Temperature

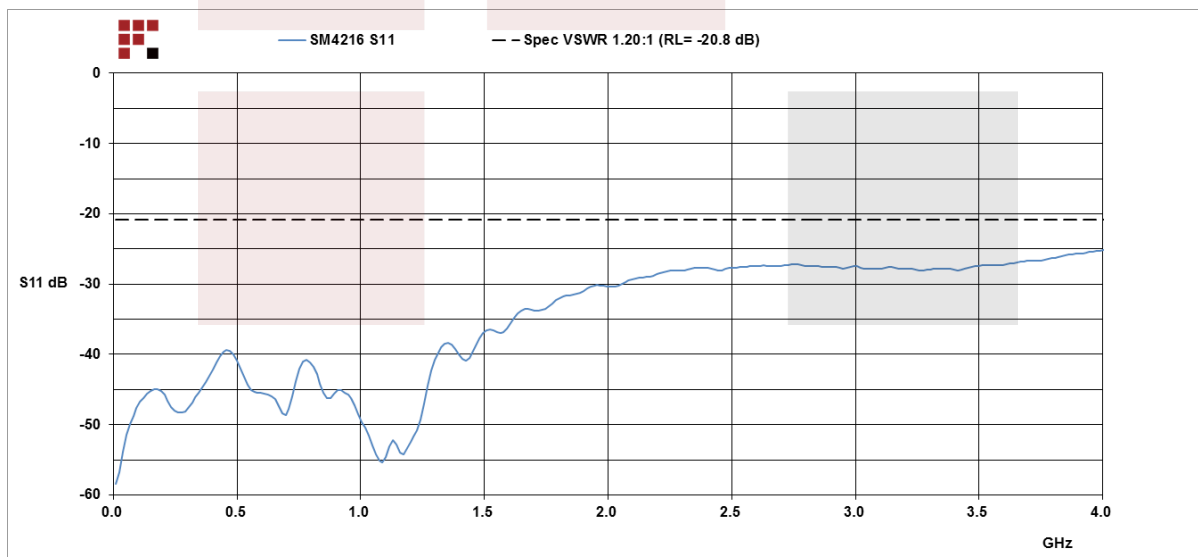
Operating Range -45 to +80 deg C

## Compliance Certifications (see [product page](#) for current document)

## Plotted and Other Data

Notes:

## Typical Performance Data



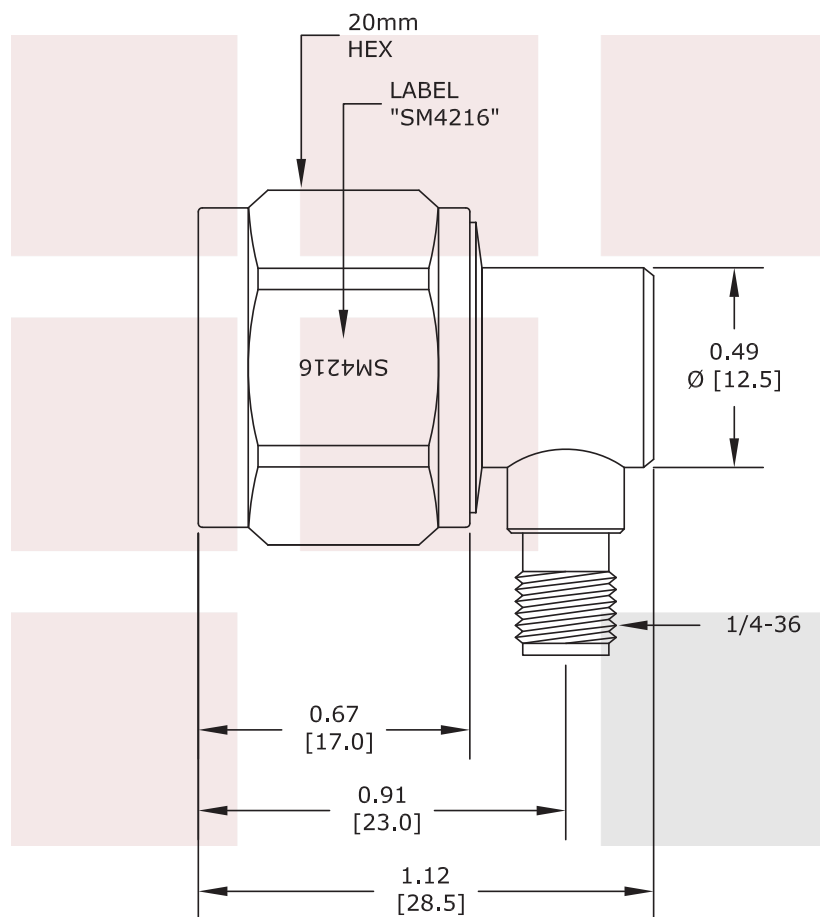
RA SMA Female to N Male Adapter from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [RA SMA Female to N Male Adapter SM4216](#)

URL: <https://www.fairviewmicrowave.com/ra-sma-female-n-male-adapter-sm4216-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.





<b>FAIRVIEW MICROWAVE INC.</b> 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 RA SMA Female to N Male Adapter	DWG NO SM4216		CAGE CODE 3FKR5		
	CAD FILE 111915	SHEET	SCALE N/A	SIZE A	150