

RA N Male to N Female Adapter

RA type N male to type N female adapter part number SM4536 from Fairview Microwave is in-stock and ships same day. This Fairview type N to type N adapter has a male to female gender configuration. SM4536 type N male to type N female adapter operates to 11 GHz. This low profile right angle type N adapter allows for easier connections in tight spaces. The Fairview Microwave RF adapter provides good VSWR of 1.47:1 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		11	GHz
VSWR			1.47:1	
Operating Voltage (AC)			1,000	Vrms
DWV (AC)			2,000	Vrms

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 2	2 to 6	6 to 10	10 to 11		GHz
VSWR, Max	1.1:1	1.2:1	1.27:1	1.47:1		

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

Mechanical Specifications

Size	
Length	1.45 in [36.83 mm]
Width	1.32 in [33.53 mm]
Weight	0.16843 lbs [76.4 g]

Description	Connector 1	Connector 2
Type	N Male	N Female
Polarity	Standard	Standard
Interface Specification	MIL-STD-348	MIL-STD-348
Mating Cycles	500	500



Configuration:

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

Features:

- VSWR of 1.47:1 max up to 11 GHz
- N interface meets MIL-STD-348
- 30 µin minimum contact plating
- Gold Plated Beryllium Copper Contact

Applications:

- General Purpose Test

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Material Specifications

Description	Connector 1	Connector 2
Type	N Male	N Female
Contact Material	Beryllium Copper	Beryllium Copper
Contact Plating	Gold	Gold
Contact Plating Spec.	30 µin minimum	30 µin minimum
Insulation Material	PTFE	PTFE
Outer Contact Material		Brass
Outer Contact Plating		Silver
Body Material	Brass	
Body Plating	Silver	
Coupling Nut Material	Brass	
Coupling Nut Plating	Nickel	

Environmental Specifications

Temperature

Operating Range -65 to +165 deg C

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

Plotted and Other Data

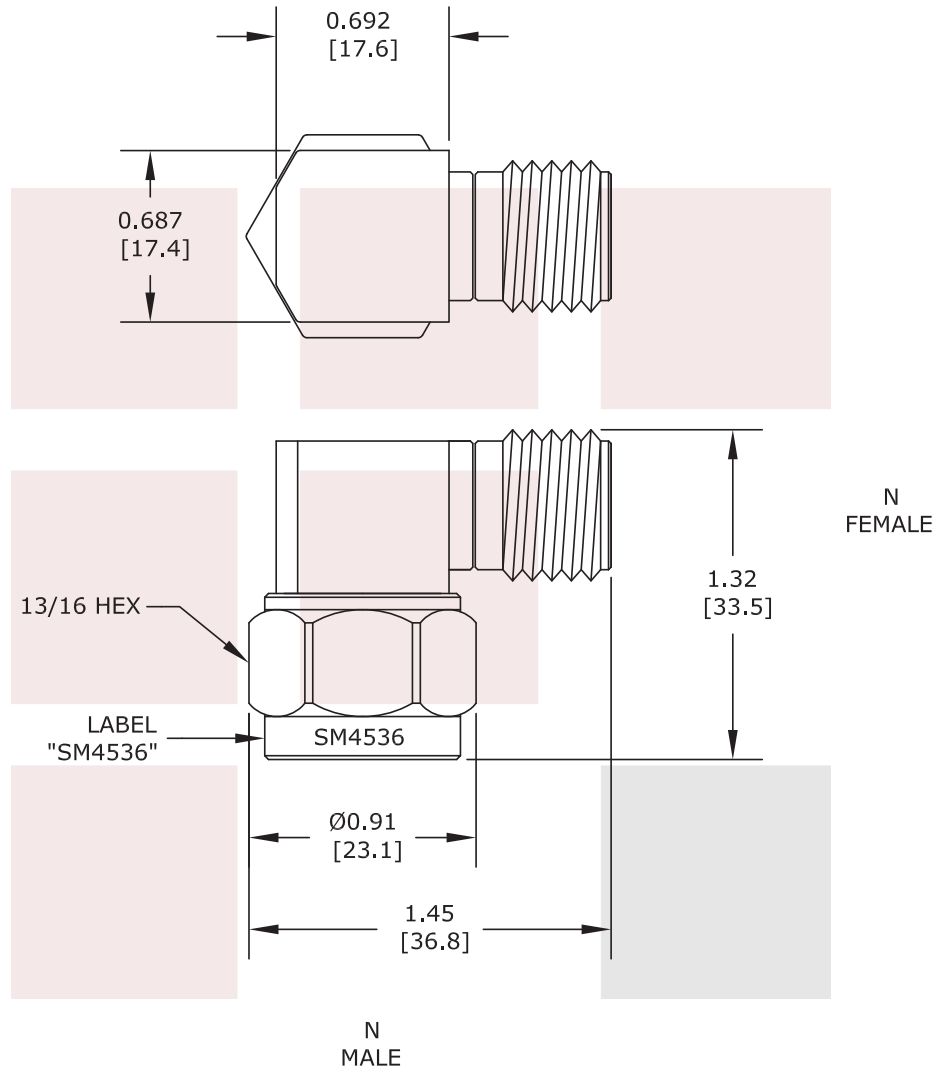
Notes:

RA N Male to N Female 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 N Male to N Female Adapter SM4536](#)

URL: <https://www.fairviewmicrowave.com/ra-n-male-n-female-adapter-sm4536-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.



STANDARD TOLERANCES	
.X	±0.2
.XX	±0.1
.XXX	±0.05

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

FAIRVIEW MICROWAVE INC.		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].			
ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM		DWG NO	SM4536	CAGE CODE	3FKR5
TITLE RA N Male to N Female Adapter		CAD FILE	091916	SHEET	SCALE N/A SIZE A 41742