

## N Female to SMA Male Adapter

Type N female to SMA male adapter part number SM7917 from Fairview Microwave is in-stock and ships same day. This Fairview type N to SMA adapter has a female to male gender configuration. SM7917 type N female to SMA male adapter operates to 11 GHz. The Fairview Microwave RF adapter provides good VSWR of 1.3:1 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			1.3:1	
Operating Voltage (AC)			500	Vrms

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

### Mechanical Specifications

Size	
Length	1.2 in [31.0 mm]
Width	0.669 in [16.99 mm]
Weight	0.063 lbs [28.58 g]

Description	Connector 1	Connector 2
Type	N Female	SMA Male
Polarity	Standard	Standard
Interface Specification	MIL-STD-348A	MIL-STD-348A
Mating Cycles	500	500
Hex Size		5/16 inch
Mating Torque		3 to 5 in-lbs [0.34 to 0.57 Nm]



### Configuration:

- N Female Connector 1
- SMA Male Connector 2
- 50 Ohm
- Straight Body Geometry

### Features:

- VSWR of 1.3:1 max up to 11 GHz
- Type N interface meets MIL-STD-348A
- SMA interface meets MIL-STD-348A
- Gold Plated Brass Contact

### Applications:

- Enables Between Series Connections
- General Purpose Test

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**Material Specifications**

Description	Connector 1	Connector 2
Type	N Female	SMA Male
Contact Material	Brass	Brass
Contact Plating	Gold	Gold
Insulation Material	PTFE	PTFE
Outer Contact Material	Brass	
Outer Contact Plating	Nickel	
Outer Contact Plating Spec.	100 µin minimum	
Body Material		Brass
Body Plating		Nickel
Body Plating Spec.		100 µin minimum
Coupling Nut Material		Brass
Coupling Nut Plating		Nickel
Coupling Nut Plating Spec.		100 µin minimum

**Environmental Specifications**
**Temperature**

Operating Range

-65 to +165 deg C

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

**Plotted and Other Data**

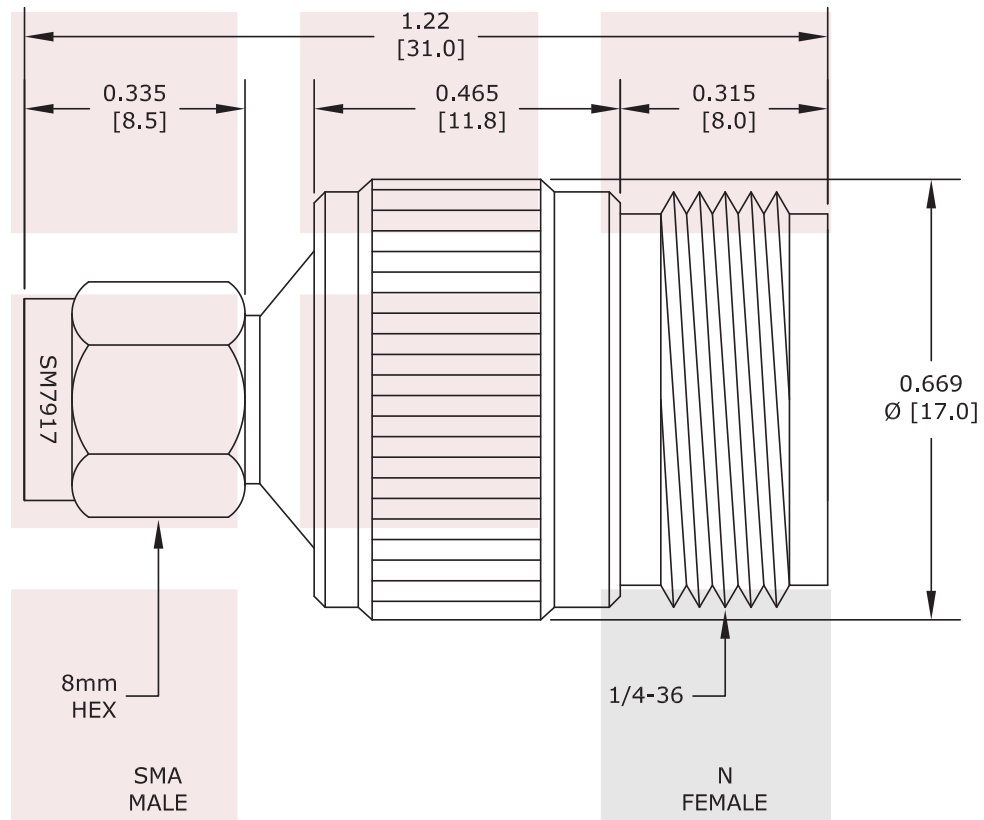
Notes:

N Female to SMA 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: [N Female to SMA Male Adapter SM7917](#)

URL: <https://www.fairviewmicrowave.com/n-female-sma-male-adapter-sm7917-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

<b>FAIRVIEW MICROWAVE INC.</b>		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 <b>SM7917</b>		CAGE CODE <b>3FKR5</b>	
TITLE N Female to SMA Male Adapter		CAD FILE 122815	SHEET	SCALE N/A	SIZE A 150