

N Female to N Female Adapter

Type N female to type N female adapter part number SM8310 from Fairview Microwave is in-stock and ships same day. This Fairview type N to type N adapter has a female to female gender configuration. SM8310 type N female to type N female adapter operates to 3 GHz. 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		3	GHz
VSWR			1.2:1	
Operating Voltage (AC)			1,000	Vrms

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

Mechanical Specifications

Size

Length	1.437 in [36.5 mm]
Width	0.669 in [16.99 mm]
Weight	0.09392 lbs [42.6 g]

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

Material Specifications

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



Configuration:

- N Female Connector 1
- N Female Connector 2
- 50 Ohms
- Straight Body Geometry

Features:

- VSWR of 1.2:1 max up to 3 GHz
- N interface meets MIL-STD-348A
- Gold Plated Brass Contact

Applications:

- General Purpose Test

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Environmental Specifications

Temperature

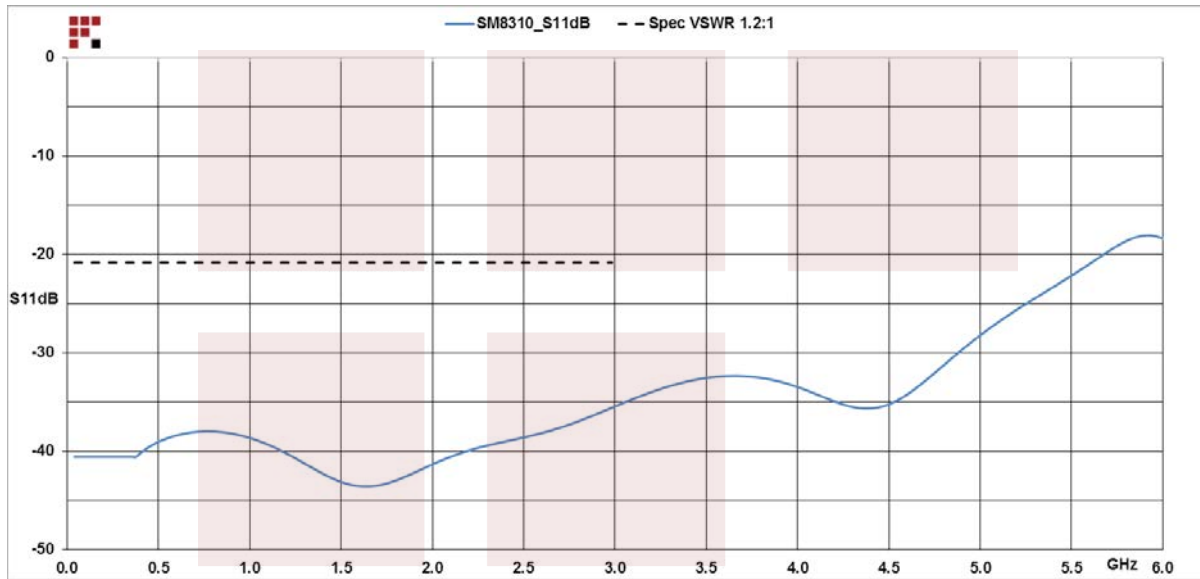
Operating Range -65 to +165 deg C

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

Plotted and Other Data

Notes:

Typical Performance Data

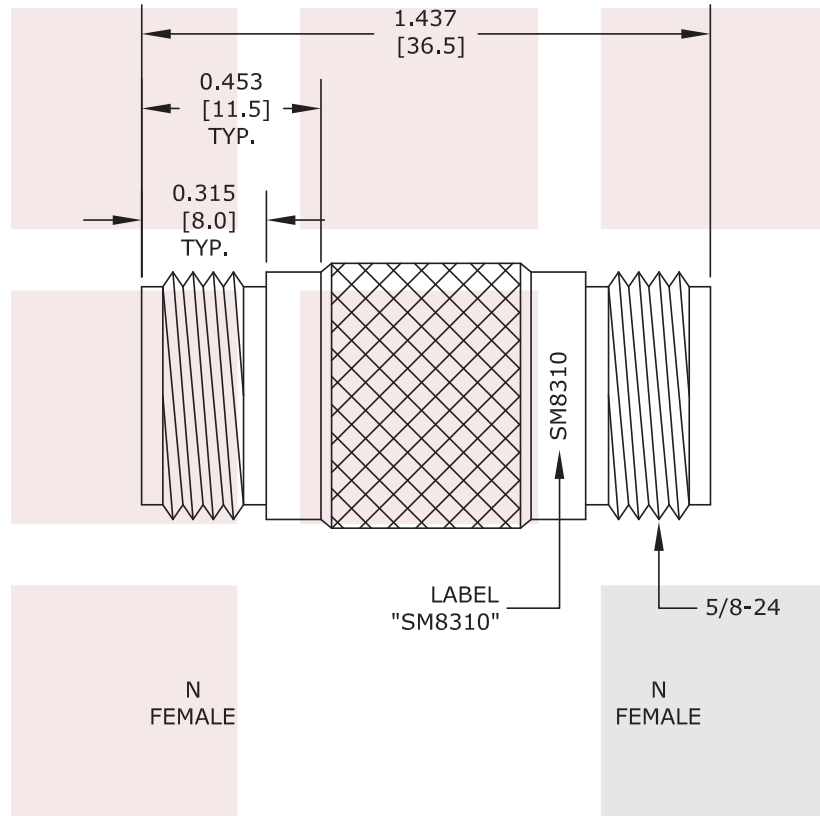


N Female to N Female Adapter from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [N Female to N Female Adapter SM8310](#)

URL: <https://www.fairviewmicrowave.com/n-female-n-female-adapter-sm8310-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. 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 N Female to N Female Adapter		DWG NO SM8310		CAGE CODE 3FKR5	
CAD FILE	122815	SHEET	SCALE	N/A	SIZE A 150