

## TNC Female to TNC Female Adapter

TNC female to TNC female adapter part number SM8710 from Fairview Microwave is in-stock and ships same day. This Fairview TNC to TNC adapter has a female to female gender configuration. SM8710 TNC female to TNC female adapter operates to 4 GHz. The Fairview Microwave RF adapter provides good VSWR of 1.5:1 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			1.5:1	
Operating Voltage (AC)			500	Vrms

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

### Mechanical Specifications

#### Size

Length	1.28 in [32.51 mm]
Width	0.472 in [11.99 mm]
Weight	0.02601 lbs [11.8 g]

Description	Connector 1	Connector 2
Type	TNC Female	TNC Female
Polarity	Standard	Standard
Mating Cycles	500	500

### Material Specifications

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



### Configuration:

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

### Features:

- VSWR of 1.5:1 max up to 4 GHz
- Gold Plated Brass Contact

### Applications:

- General Purpose Test

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)

**Environmental Specifications**

**Temperature**

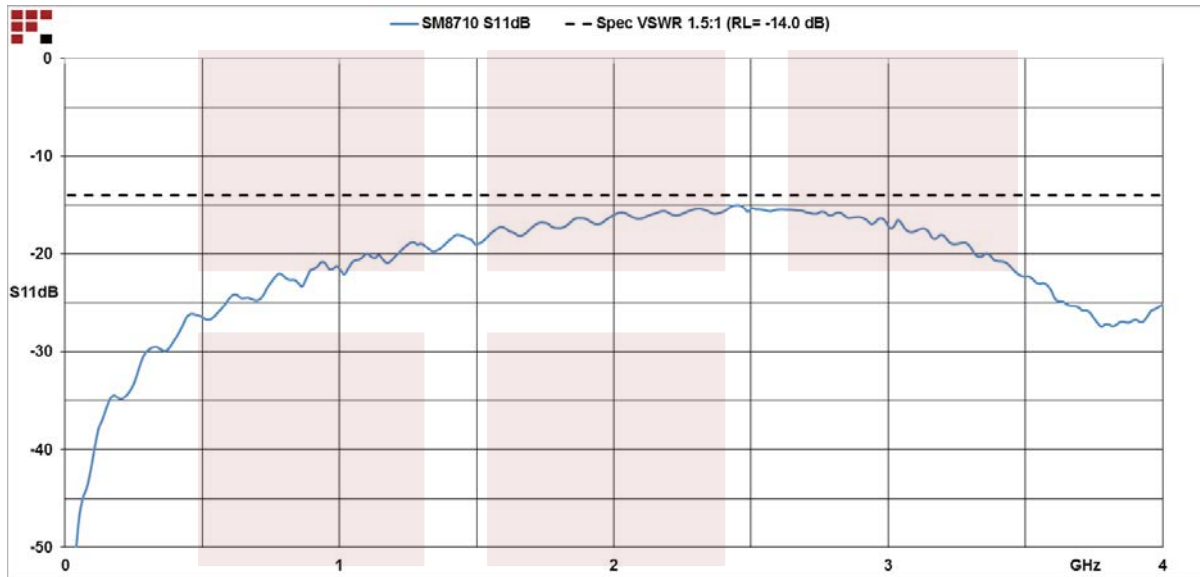
Operating Range -40 to +60 deg C

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

**Plotted and Other Data**

Notes:

**Typical Performance Data**

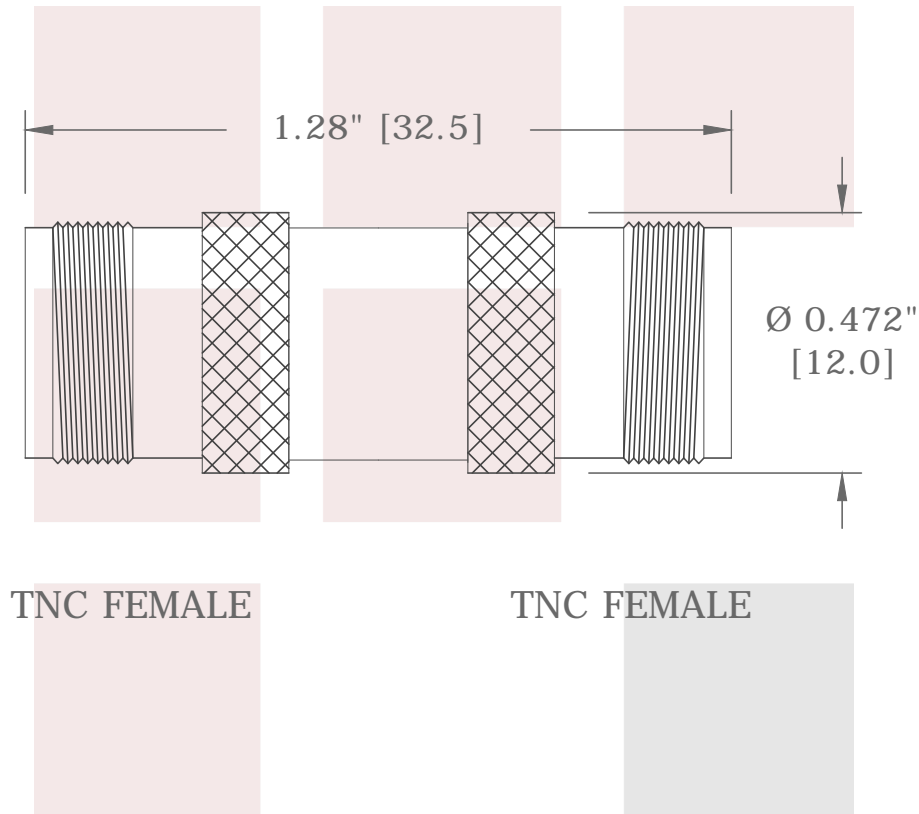


TNC Female to TNC Female Adapter from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [TNC Female to TNC Female Adapter SM8710](#)

URL: <https://www.fairviewmicrowave.com/tnc-female-tnc-female-adapter-sm8710-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 TNC Female to TNC Female Adapter		DWG NO <b>SM8710</b>		CAGE CODE <b>3FKR5</b>	
CAD FILE	011415	SHEET	SCALE	N/A	SIZE A 5568