

## Miter RA SMA Male to TNC Male Adapter with Passivated Stainless Steel Body, DC to 18 GHz

Miter RA SMA male to TNC male adapter part number FMAD1570 from Fairview Microwave is in-stock and ships same day. This Fairview SMA to TNC adapter has a male to male gender configuration and is built of durable stainless steel. FMAD1570 SMA male to TNC male adapter operates to 18 GHz. The Fairview Microwave RF adapter provides good VSWR of 1.3:1 maximum. The SMA connector mates mechanically with commercially available 3.5mm and 2.92mm (K) connectors. This miter right angle SMA to TNC adapter allows for easier connections in tight spaces.

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		18	GHz
VSWR			1.3:1	

### Mechanical Specifications

Size	
Length	1.130 in [28.7 mm]
Width	0.44 in [11.18 mm]
Height	1.19 in [30.23 mm]
Weight	0.023 lbs [10.43 g]

Description	Connector 1	Connector 2
Type	SMA Male	TNC Male
Polarity	Standard	Standard
Mating Cycles	500	500
Hex Size	5/16 in	9/16 in

### Material Specifications

Description	Connector 1	Connector 2
Type	SMA Male	TNC Male
Contact Material	Beryllium Copper	Beryllium Copper
Contact Plating	Gold over Nickel	Gold over Nickel
Insulation Material	Oxide-Noryl	Oxide-Noryl
Body Material	Passivated Stainless Steel	Passivated Stainless Steel
Coupling Nut Material	Passivated Stainless Steel	Passivated Stainless Steel



### Configuration:

- SMA Male Connector 1
- TNC Male Connector 2
- 50 Ohm
- Miter Right Angle Body Geometry

### Features:

- VSWR of 1.3:1 max up to 18 GHz
- Gold over Nickel Plated Beryllium Copper Contact

### Applications:

- Enables Between Series Connections
- General Purpose Test

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

**Plotted and Other Data**

Notes:

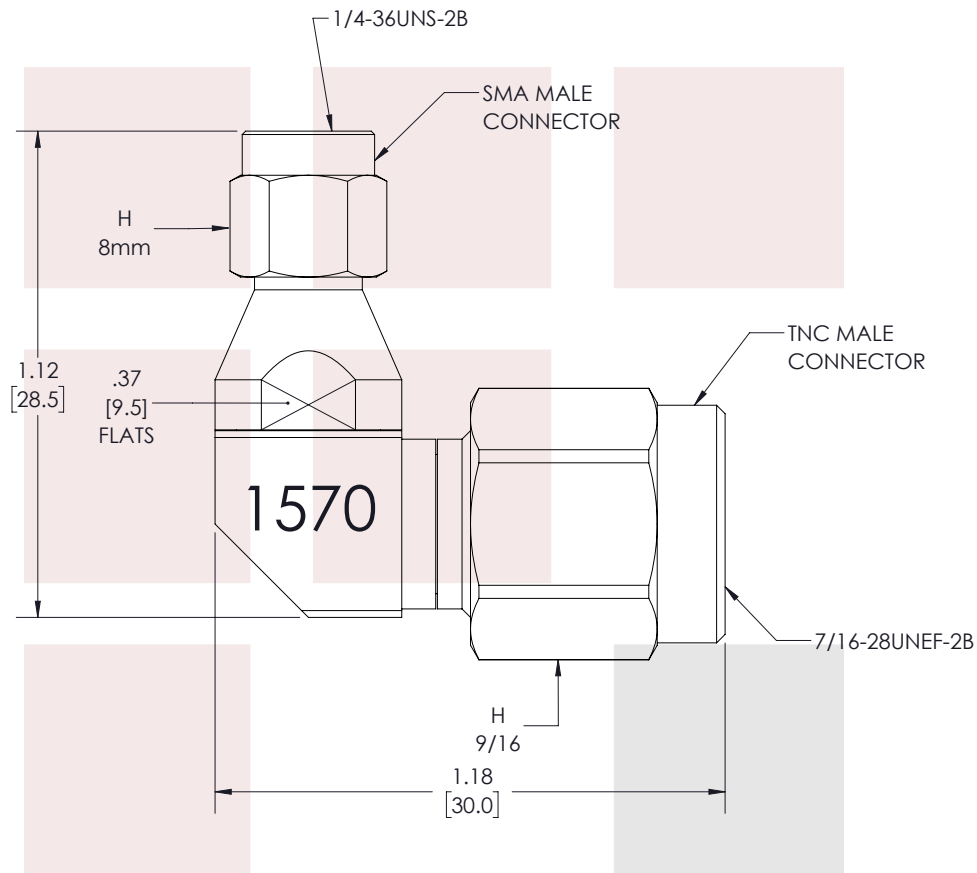
Miter RA SMA Male to TNC Male Adapter with Passivated Stainless Steel Body, DC to 18 GHz from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Miter RA SMA Male to TNC Male Adapter with Passivated Stainless Steel Body, DC to 18 GHz FMAD1570](#)

URL: <https://www.fairviewmicrowave.com/sma-plug-tnc-plug-right-angle-adapter-fmad1570-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.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	07/27/2022	AGANWANI



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TITLE

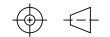
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UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES  
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES: CABLE LENGTH (L) TOLERANCES:

.X = ±.2 [ .508]	FRACTIONS	L ≤ 12 [305] = +1 [25] / -0
.XX = ±.02 [ .51]	± 1/32	12 [305] < L ≤ 60 [1524] = +2 [51] / -0
.XXX = ±.005 [ .13]	ANGLES ± 1°	60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
		120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
		300 [7620] < L = +5%L / -0

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SCALE N/A

SIZE A	CAGE CODE 3FKR5	DRAWN BY BPUCHASKI	ITEM NO. FMAD1570	REV A
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T-Rev.D