

SMA Male (Plug) to TNC Female (Jack) Adapter, Passivated Stainless Steel Body, 1.25 VSWR

SMA male to TNC female adapter part number SM4737 from Fairview Microwave is in-stock and ships same day. This Fairview SMA to TNC adapter has a male to female gender configuration and is built of durable stainless steel. SM4737 SMA male to TNC female adapter operates to 18 GHz. The Fairview Microwave RF adapter provides excellent VSWR of 1.25:1 maximum. The SMA connector mates mechanically with commercially available 3.5mm and 2.92mm (K) connectors.

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			1.25:1	

Mechanical Specifications

Size	
Length	1.760 in [44.7 mm]
Weight	0.056 lbs [25.4 g]

Description	Connector 1	Connector 2
Type	SMA Male	TNC Female
Polarity	Standard	Standard
Mating Cycles	500	500
Mating Torque	8 in-lbs max [0.9 Nm] max	

Material Specifications

Description	Connector 1	Connector 2
Type	SMA Male	TNC Female
Contact Material	Brass	Beryllium Copper
Contact Plating	Gold	Gold
Contact Plating Spec.	MIL-G-45204	MIL-G-45204
Insulation Material	PTFE	PTFE
Body Material	Passivated Stainless Steel	Passivated Stainless Steel

Environmental Specifications

Temperature	
Operating Range	-55 to 100 deg C



Configuration:

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

Features:

- VSWR of 1.25:1 max up to 18 GHz
- Contact plating according to MIL-G-45204

Applications:

- Enables Between Series Connections
- General Purpose Test

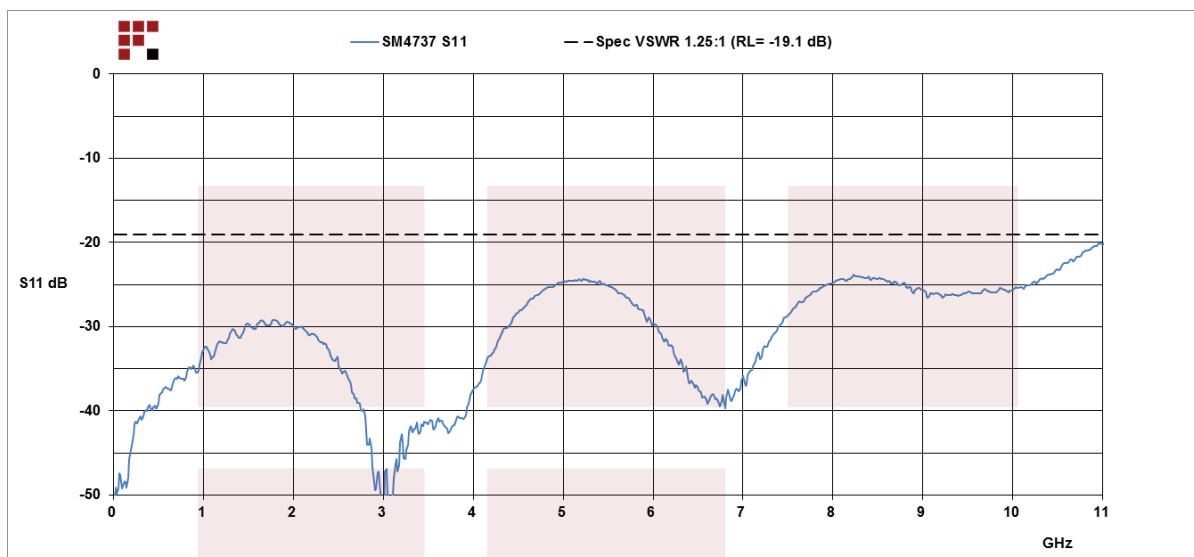
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

Typical Performance Data



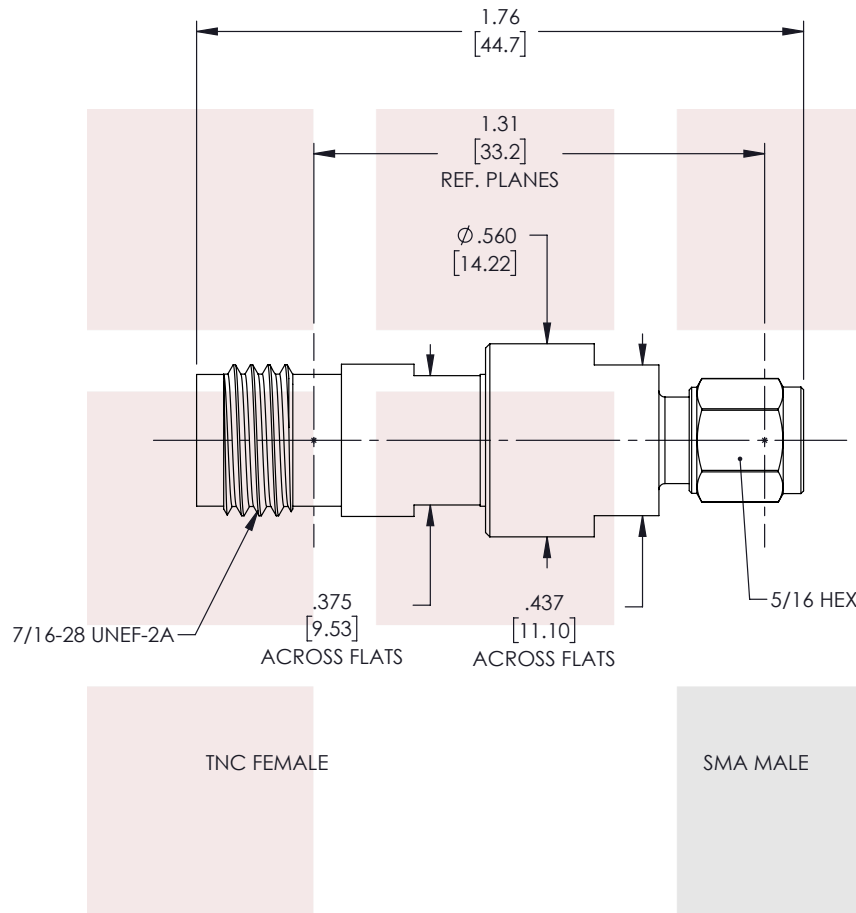
SMA Male (Plug) to TNC Female (Jack) Adapter, Passivated Stainless Steel Body, 1.25 VSWR from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [SMA Male \(Plug\) to TNC Female \(Jack\) Adapter, Passivated Stainless Steel Body, 1.25 VSWR SM4737](#)

URL: <https://www.fairviewmicrowave.com/sma-male-tnc-female-adapter-sm4737-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
B	PCR SM4738 20220802	08/15/2022	AGANWANI



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TITLE

SMA Male (Plug) to TNC Female (Jack) Adapter,
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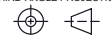
UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES: CABLE LENGTH (L) TOLERANCES:

.X = ±.2 [5.08]	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

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

SCALE N/A

SIZE A	CAGE CODE 3FKR5	DRAWN BY KGLEBOVA	ITEM NO. SM4737	REV B
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T-Rev.D