

## SMA Male (Plug) to TNC Male (Plug) Adapter, Nickel Plated Brass Body, High Temp, 1.3 VSWR

SMA male to TNC male adapter part number SM4763 from Fairview Microwave is in-stock and ships same day. This Fairview SMA to TNC adapter has a male to male gender configuration. SM4763 SMA male to TNC male adapter operates to 11 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.

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	

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

### Mechanical Specifications

Size	
Length	1.100 in [27.9 mm]
Width	0.59 in [14.99 mm]
Weight	0.0424 lbs [19.23 g]

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



### Configuration:

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

### Features:

- VSWR of 1.3:1 max up to 11 GHz
- SMA interface meets MIL-STD-348
- TNC interface meets MIL-STD-348
- Contact plating according to MIL-G-45204

### Applications:

- Enables Between Series Connections
- General Purpose Test

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**Material Specifications**

Description	Connector 1	Connector 2
Type	SMA Male	TNC Male
Contact Plating	Gold	Gold
Contact Plating Spec.	MIL-G-45204	MIL-G-45204
Insulation Material	PTFE	PTFE
Body Material	Brass	Brass
Body Plating	Nickel	Nickel
Body Plating Spec.	QQ-N-290	QQ-N-290
Coupling Nut Material	Brass	Brass
Coupling Nut Plating	Nickel	Nickel
Coupling Nut Plating Spec.	QQ-N-290	QQ-N-290

**Environmental Specifications**

**Temperature**

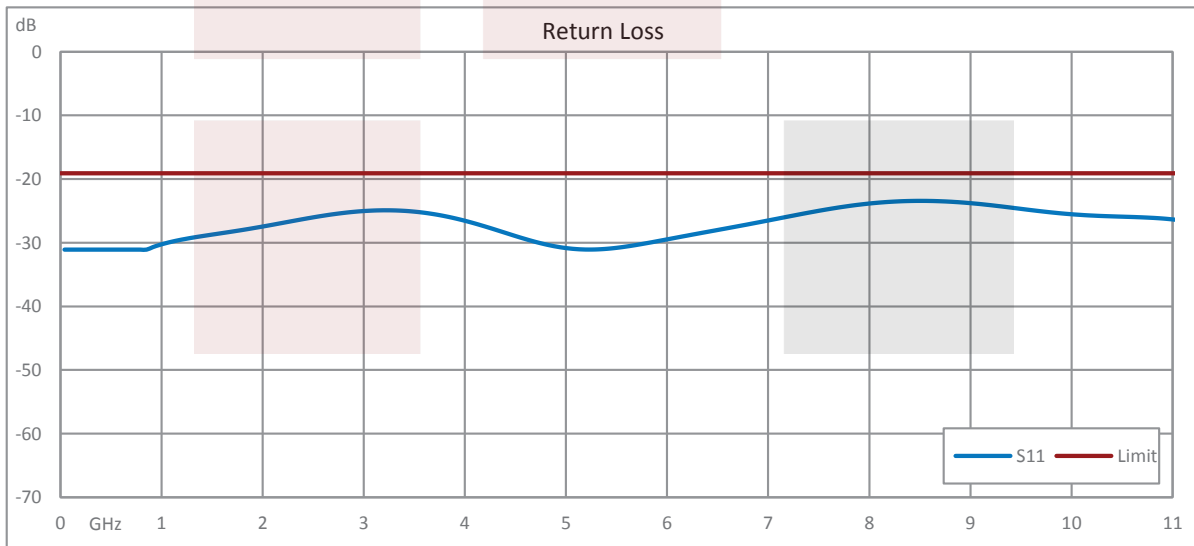
Operating Range -65 to +165 deg C

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

**Plotted and Other Data**

Notes:

**Typical Performance Data**



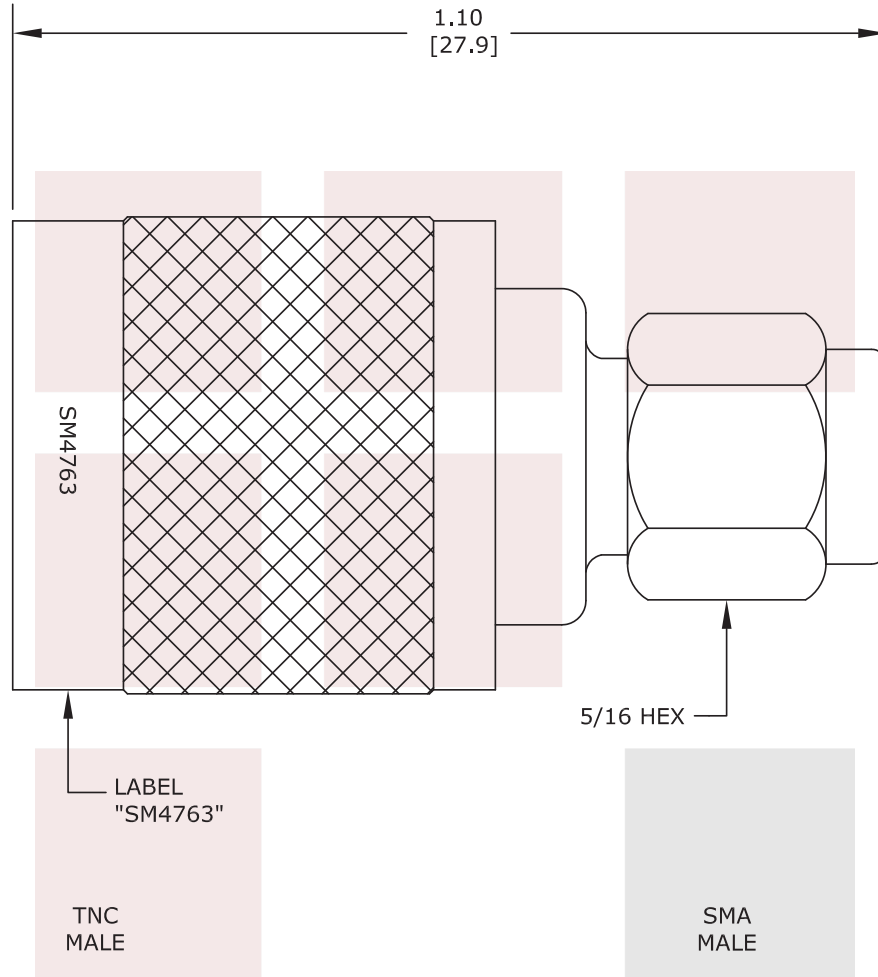
SMA Male (Plug) to TNC Male (Plug) Adapter, Nickel Plated Brass Body, High Temp, 1.3 VSWR from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [SMA Male \(Plug\) to TNC Male \(Plug\) Adapter, Nickel Plated Brass Body, High Temp, 1.3 VSWR SM4763](#)

URL: <https://www.fairviewmicrowave.com/sma-male-tnc-male-adapter-sm4763-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> 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 SMA Male (Plug) to TNC Male (Plug) Adapter, Nickel Plated Brass Body, High Temp, 1.3 VSWR		DWG NO SM4763		CAGE CODE 3FKR5	
CAD FILE	100416	SHEET	SCALE	N/A	SIZE A 41742