

Hermetically Sealed TNC Female (Jack) to TNC Female (Jack) Bulkhead Adapter, 1.35 VSWR

Hermetically sealed TNC female to TNC female bulkhead adapter part number SM5723 from Fairview Microwave is in-stock and ships same day. This Fairview TNC to TNC adapter has a female to female gender configuration. SM5723 TNC female to TNC female adapter operates to 12 GHz. The Fairview Microwave RF adapter provides good VSWR of 1.35:1 maximum. Our RF TNC to TNC bulkhead adapter allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications. The Fairview Microwave hermetic TNC to TNC adapter prevents the leakage of gases, making it suitable for high pressure or vacuum applications or whenever an airtight seal is required.

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		12	GHz
VSWR			1.35:1	

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

Mechanical Specifications

Size	
Length	1.40 in [35.56 mm]
Weight	0.05 lbs [24.77 g]

Description	Connector 1	Connector 2
Type	TNC Female	TNC Female
Polarity	Standard	Standard
Interface Specification	MIL-STD-348	MIL-STD-348
Connector Option	Hermetically Sealed	Hermetically Sealed
Mating Cycles, Min	500	500



Configuration:

- TNC Female Connector 1
- TNC Female Connector 2
- 50 Ohm
- Straight Body Geometry
- Bulkhead Mount Method

Features:

- VSWR of 1.35:1 max up to 12 GHz
- Hermetically Sealed
- TNC interface meets MIL-STD-348
- Contact plating according to Per ASTM 488
- Gold Plated Beryllium Copper Contact

Applications:

- General Purpose Test
- Vacuum Test Environment
- Rack Mounted Equipment

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Material Specifications

Description	Connector 1	Connector 2
Type	TNC Female	TNC Female
Contact Material	Beryllium Copper	Beryllium Copper
Contact Material Spec.	Per ASTM B196, C17300, Temper TD04	
Contact Plating	Gold	Gold
Contact Plating Spec.	Per ASTM 488	Per ASTM 488
Insulation Material	PTFE	PTFE
Outer Contact Material	Brass	Brass
Outer Contact Material Spec.	Per ASTM B16, C36000 Alloy, Temper H02	
Outer Contact Plating	Nickel	Nickel
Outer Contact Plating Spec.	QQ-N-290	QQ-N-290
Washer Material	Spring Steel	
Washer Plating	Nickel Plate Per SAE-AMS-QQ-N-290	
Hex Nut Material	Brass Per ASTM B16	
Hex Nut Plating	Silver Plate Per ASTM B700	
O Ring Material	Silicone Rubber Per A-A-59588	
Insulator Material	Teflon Per ASTM D1710, Type 1, Grade 1, Class A	
Bushing Material	Brass Per ASTM B16, C36000 Alloy, Temper H02	
Bushing Plating	Nickel Plate Per SAE-AMS-QQ-N-290	
Glass Seal Material	Corrosion Resistant Steel Per ASTM A582, S30300, Cond. A	

Environmental Specifications
Temperature

Operating Range

-65 to +125 deg C

Hermetic Seal

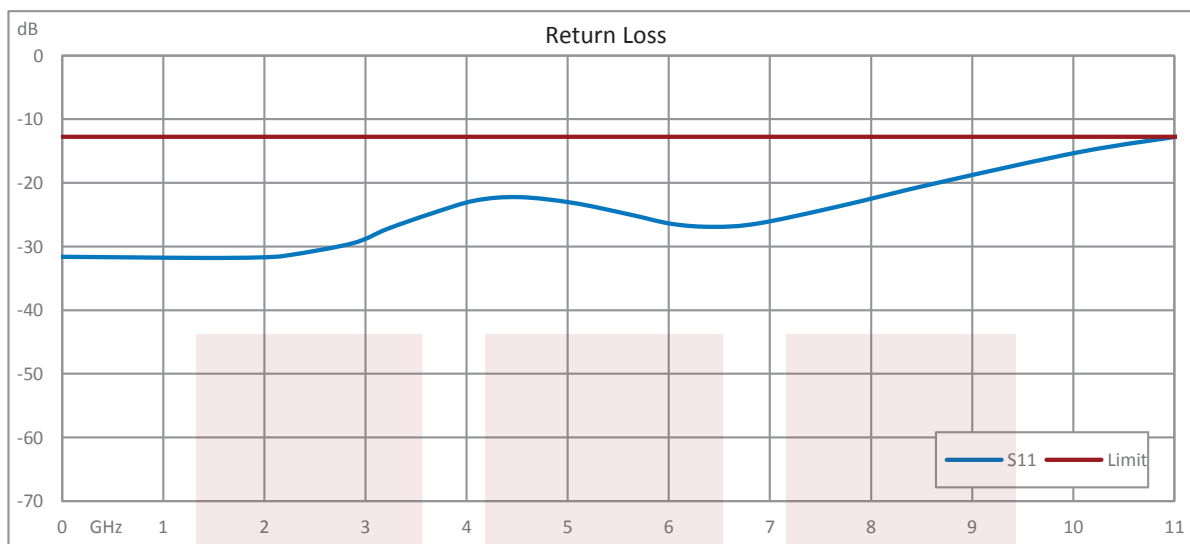
 1×10^{-5} cc/sec

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

Plotted and Other Data

Notes:

Typical Performance Data



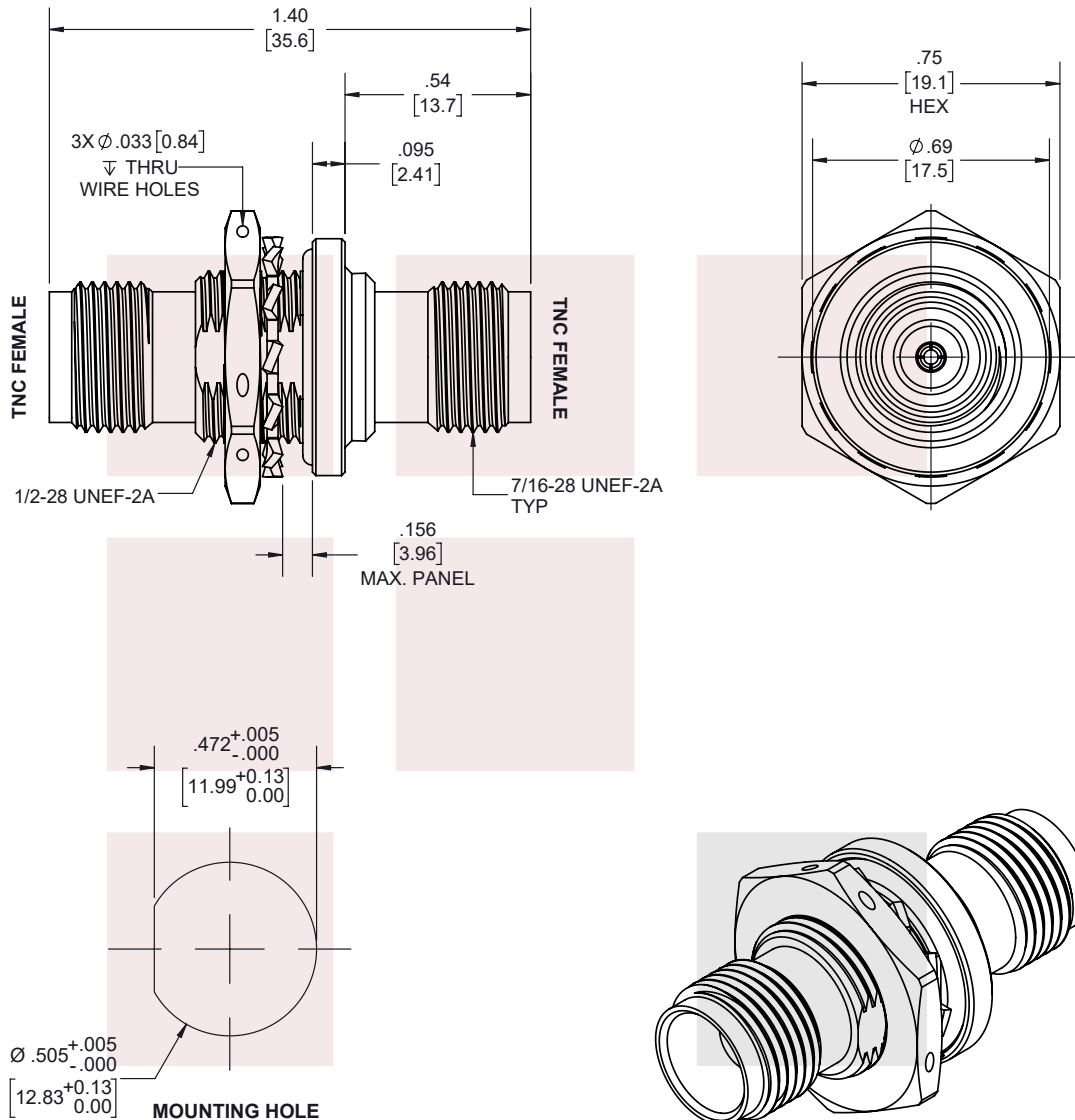
Hermetically Sealed TNC Female (Jack) to TNC Female (Jack) Bulkhead Adapter, 1.35 VSWR from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Hermetically Sealed TNC Female \(Jack\) to TNC Female \(Jack\) Bulkhead Adapter, 1.35 VSWR SM5723](https://www.fairviewmicrowave.com/hermetically-sealed-tnc-female-tnc-female-bulkhead-adapter-sm5723-p.aspx)

URL: <https://www.fairviewmicrowave.com/hermetically-sealed-tnc-female-tnc-female-bulkhead-adapter-sm5723-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	PCR SM5723	11/3/2021	A. GANWANI



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TITLE		<p>TOLERANCES: CABLE LENGTH (L) TOLERANCES:</p>		<p>THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF FAIRVIEW MICROWAVE CORPORATION. ALL RIGHTS RESERVED.</p>	
		<p>.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</p>		<p>SHEET 1 OF 1</p>	
		<p>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</p>		<p>SCALE N/A</p>	
SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV	
A	3FKR5	K.DANG	SM5723	A	

T-Rev.D