

Hermetically Sealed TNC Female to TNC Female Bulkhead Mount Adapter, operating to 11 GHz



RF Adapters Technical Data Sheet

ET12828

Configuration

- TNC Female Connector 1
- TNC Female Connector 2
- 50 Ohm

- Straight Body Geometry
- Bulkhead Mount Method

Features

- Max VSWR of 1.35:1 up to 12 GHz
- Hermetically Sealed
- TNC interface compliant with MIL-STD-348
- Contact plating according to MIL-G-45204
- Gold Plated Beryllium Copper Contact

Applications

General Purpose Test

- Vacuum Test Environment
- Rack Mounted Equipment

Description

Ebeestock's ET12828 hermetically sealed TNC female to TNC female bulkhead adapter is part of our full line of RF components available for same-day shipping. Our TNC to TNC adapter has a female to female gender configuration. ET12828 TNC female to TNC female adapter operates to 12 GHz. The Ebeestock RF adapter provides good VSWR of 1.35:1 maximum. This 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. This 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 are often used to enable connections between two connector types that would otherwise not mate. Certain adapter configurations can also be used to protect connectors on expensive equipment where the number of connect/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. Ebeestock 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	Minimum	Typical	Maximum	Units
Frequency Range	DC		12	GHz
VSWR			1.35:1	
Operating Voltage (AC)			500	Vrms

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

Mechanical Specifications

Size

Length 1.4 in [35.56 mm] Weight 0.0516 lbs [23.41 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Hermetically Sealed TNC Female to TNC Female Bulkhead Mount Adapter, operating to 11 GHz ET12828

8th Floor, Building 1, Yongfu Science and Technology Center Industrial Park, Nanzha District 5, Humen,523900, Dongguan, Guangdong, China.



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Connector 1	Connector 2
TNC Female	TNC Female
Standard	Standard
MIL-STD-348	MIL-STD-348
Hermetically Sealed	Hermetically Sealed
500	500
	TNC Female Standard MIL-STD-348 Hermetically Sealed

Material Specifications

	Connector 1		Connector 2		
Description	Material	Plating	Material	Plating	
Туре	TNC Female		TNC Female		
Contact	Beryllium Copper	Gold	Beryllium Copper	Gold	
		MIL-G-45204		MIL-G-45204	
Insulation	PTFE		PTFE		
Outer Conductor	Brass	Nickel	Brass	Nickel	
		QQ-N-290		QQ-N-290	
Body	Brass	Nickel	Brass	Nickel	
		QQ-N-290		QQ-N-290	
Gasket	Silicone Rubber	Silicone Rubber			
Washer			Steel	Nickel	
				QQ-N-290	
Coupling Nut			Brass	Silver	
				ASTM B700	

Environmental Specifications

Temperature

Operating Range -65 to +125 °C

Hermetic Seal 1 X 10^-8 cc/sec

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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Hermetically Sealed TNC Female to TNC Female Bulkhead Mount Adapter, operating to 11 GHz from Ebeestock Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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URL: https://www.ebeestock.com/hermetically-sealed-tnc-female-to-tnc-female-bulkhead-mount-adap ter-operating-to-11-ghz-0012828

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. Ebeestock reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Ebeestock does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Ebeestock does not assume any liability arising out of the use of any part or documentation.

