



# RF Adapters Technical Data Sheet

ET1270

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### Configuration

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

- Straight Body Geometry
- Bulkhead Mount Method

### Features

- Max VSWR of 1.3:1 up to 11 GHz
- SMA interface compliant with MIL-STD-348A
- TNC interface compliant with MIL-STD-348A
- 50 µ-in minimum contact plating
- Gold Plated Beryllium Copper Contact

### Applications

Allows Connection Between Series

General Purpose Test

Rack Mounted Equipment

### Description

Ebeestock's ET12707 SMA female to TNC female bulkhead adapter is part of our full line of RF components available for same-day shipping. The SMA connector mates mechanically with commercially available 3.5mm and 2.92mm (K) connectors. Our SMA to TNC adapter has a female to female gender configuration. ET12707 SMA female to TNC female adapter operates to 11 GHz. The Ebeestock RF adapter provides good VSWR of 1.3:1 maximum. This RF SMA 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.

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.

ctrical Specifications				
Frequency Range	DC		11	GHz
<u>VSWR</u>		1.26:1	1.3:1	
Operating Voltage (AC)			500	Vrms
Dielectric Withstanding Voltage (AC)			1,000	Vrms
Inner Conductor DC Resistance			3	mOhms
Outer Conductor DC Resistance			2	mOhms
Insulation Resistance	5,000			MOhms

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMA Female to TNC Female Bulkhead Mount Adapter ET12707

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





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### Mechanical Specifications

Size

 Length
 1.3 in [33.02 mm]

 Width
 0.655 in [16.64 mm]

 Weight
 0.04 lbs [18.14 g]

Description	Connector 1	Connector 2
Type	SMA Female	TNC Female
Polarity	Standard	Standard
Interface Specification	MIL-STD-348A	MIL-STD-348A
Mating Cycles	500	500

### Material Specifications

	Connector 1		Connector 2		
Description	Material	Plating	Material	Plating	
Туре	SMA Female		TNC Female		
Contact	Beryllium Copper	Gold	Beryllium Copper	Gold	
		50 μ-in minimum		50 μ-in minimum	
Insulation	PTFE		PTFE		
Outer Conductor	Brass	Nickel	Brass	Nickel	
		100 μ-in minimum		100 μ-in minimum	

### **Environmental Specifications**

Temperature

Operating Range -65 to +165 °C

Vibration MIL-STD-202, Method 204, Condition D Salt Spray MIL-STD-202, Method 101, Condition B

Compliance Certifications (see product page for current document)

### Plotted and Other Data

Notes:

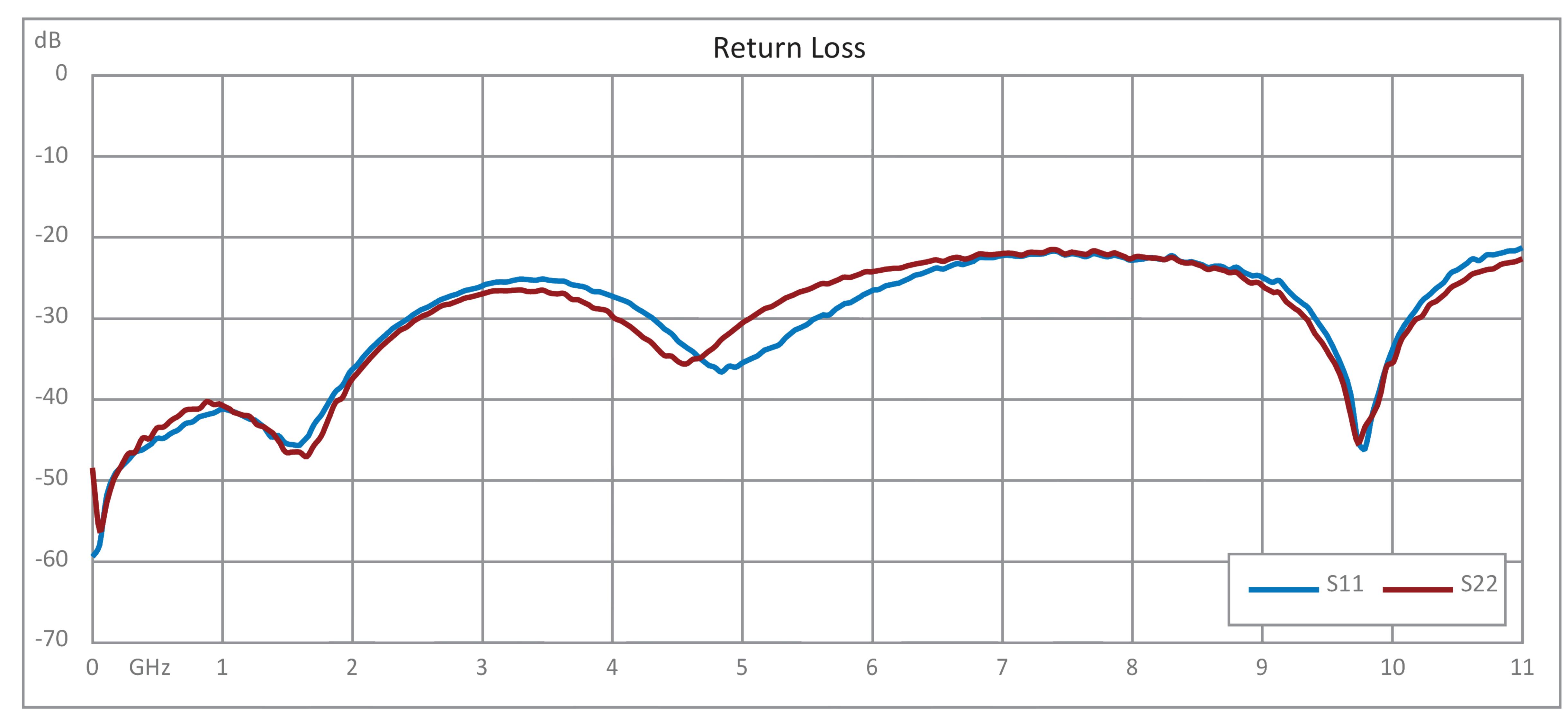
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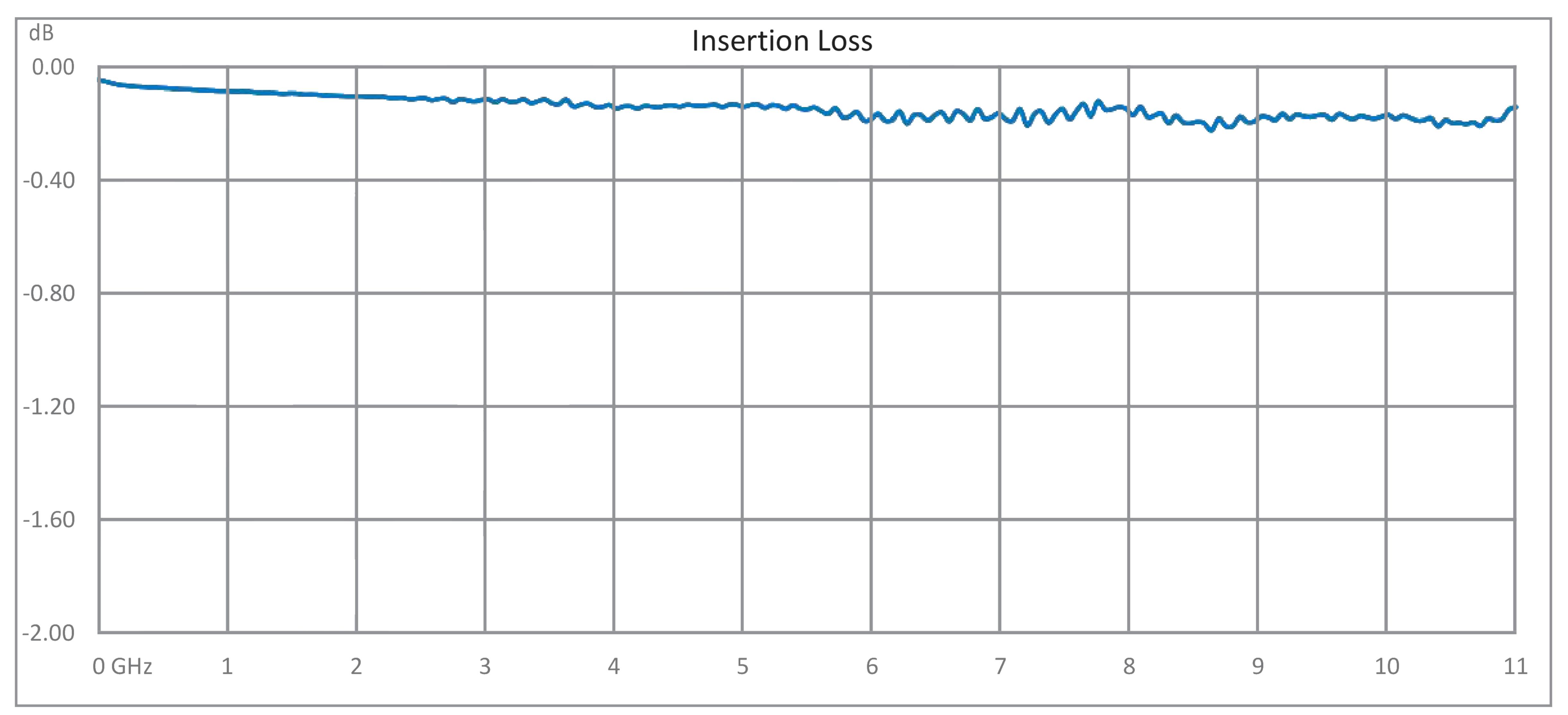




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### Typical Performance Data





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SMA Female to TNC Female Bulkhead Mount Adapter 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMA Female to TNC Female Bulkhead Mount Adapter ET12707

URL: https://www.ebeestock.com/sma-female-to-tnc-female-bulkhead-mount-adapter-0012707

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.

