

Bulkhead Mount Hermetically Sealed BNC Female to BNC Female Adapter



RF Adapters Technical Data Sheet

ET12141

Configuration

- BNC Female Connector 1
- BNC Female Connector 2
- 50 Ohms

- Straight Body Geometry
- Bulkhead Mount Method

Features

- Max VSWR of 1.5:1 up to 4 GHz
- Hermetically Sealed
- BNC Interface compliant with MIL-STD-348A
- Gold Plated Brass Contact
- 30 µ-in min. Gold Contact Plating

Applications

General Purpose Test

- Vacuum Test Environment
- Rack Mounted Equipment

Description

Ebeestock's ET12141 bulkhead hermetically sealed BNC female to BNC female adapter is part of our full line of RF components available for same-day shipping. Our BNC to BNC adapter has a female to female gender configuration. ET12141 BNC female to BNC female adapter operates to 4 GHz. The Ebeestock RF adapter provides good VSWR of 1.5:1 maximum. This RF BNC bulkhead to BNC 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 BNC to BNC 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

Frequency Range	DC		4	GHz
VSWR		1.4:1	1.5:1	
Operating Voltage (AC)			500	Vrms
Dielectric Withstanding Voltage (AC)			1,500	Vrms
Inner Conductor DC Resistance			1.5	mOhms
Outer Conductor DC Resistance			1	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: Bulkhead Hermetically Sealed BNC Female to BNC Female Adapter ET12141

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
 1.555 in [39.5 mm]

 Width
 0.689 in [17.5 mm]

 Height
 0.689 in [17.5 mm]

 Weight
 0.05 lbs [22.68 g]

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

Material Specifications

	Connector 1		Connector 2		
Description	Material	Plating	Material	Plating	
Туре	BNC Female		BNC Female		
Contact	Brass	Gold	Brass	Gold	
		30µ in. minimum		30μ in. minimum	
Insulation	PTFE		PTFE		
Outer Conductor	Brass	Nickel	Brass	Nickel	
		100μ in. minimum		100μ in. minimum	

Environmental Specifications

Temperature

Operating Range -65 to +165 deg C

Vibration MIL-STD-202. Method 204, Condition D
Salt Spray MIL-STD-202. Method 101, Condition B
Hermetic Seal Waterproof leak test pressure 7kg/cm^2 min.

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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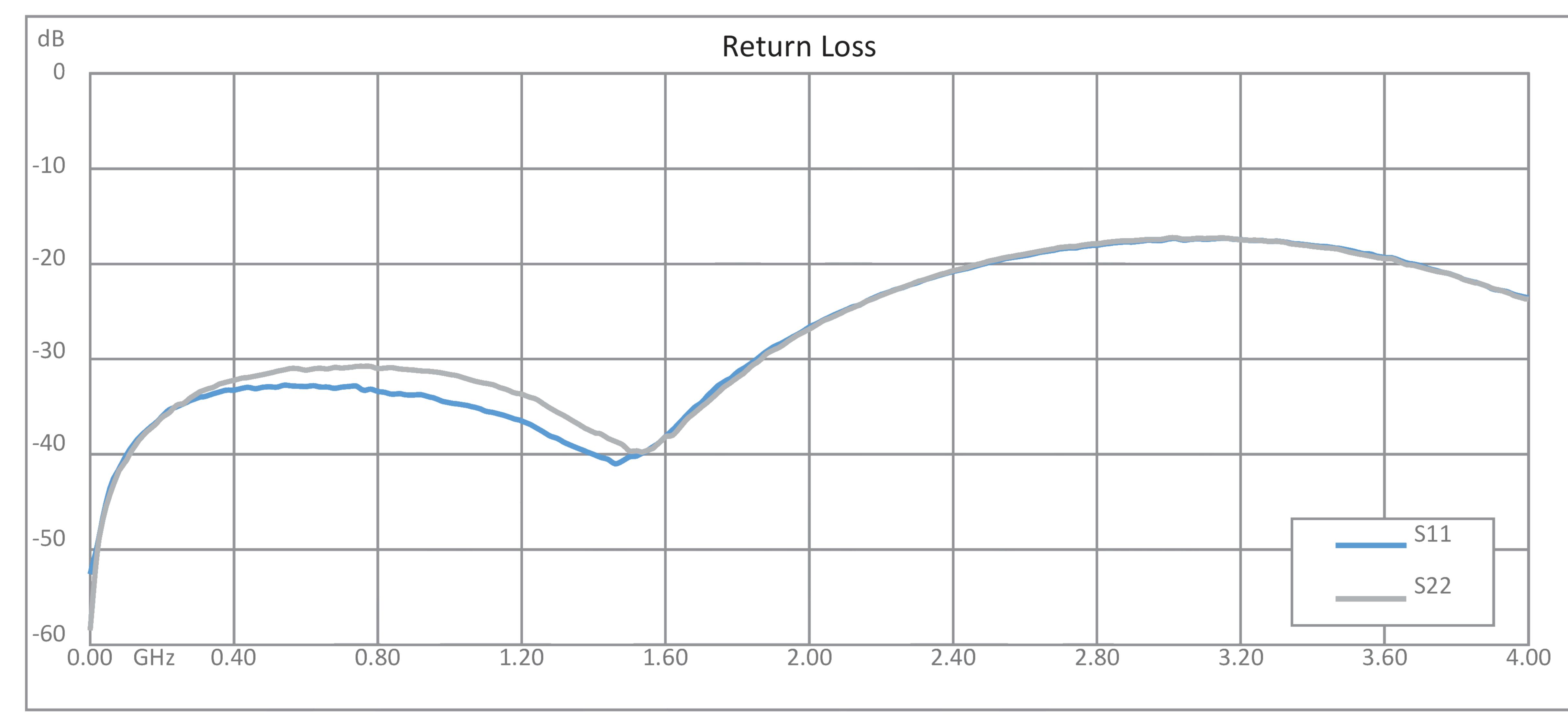


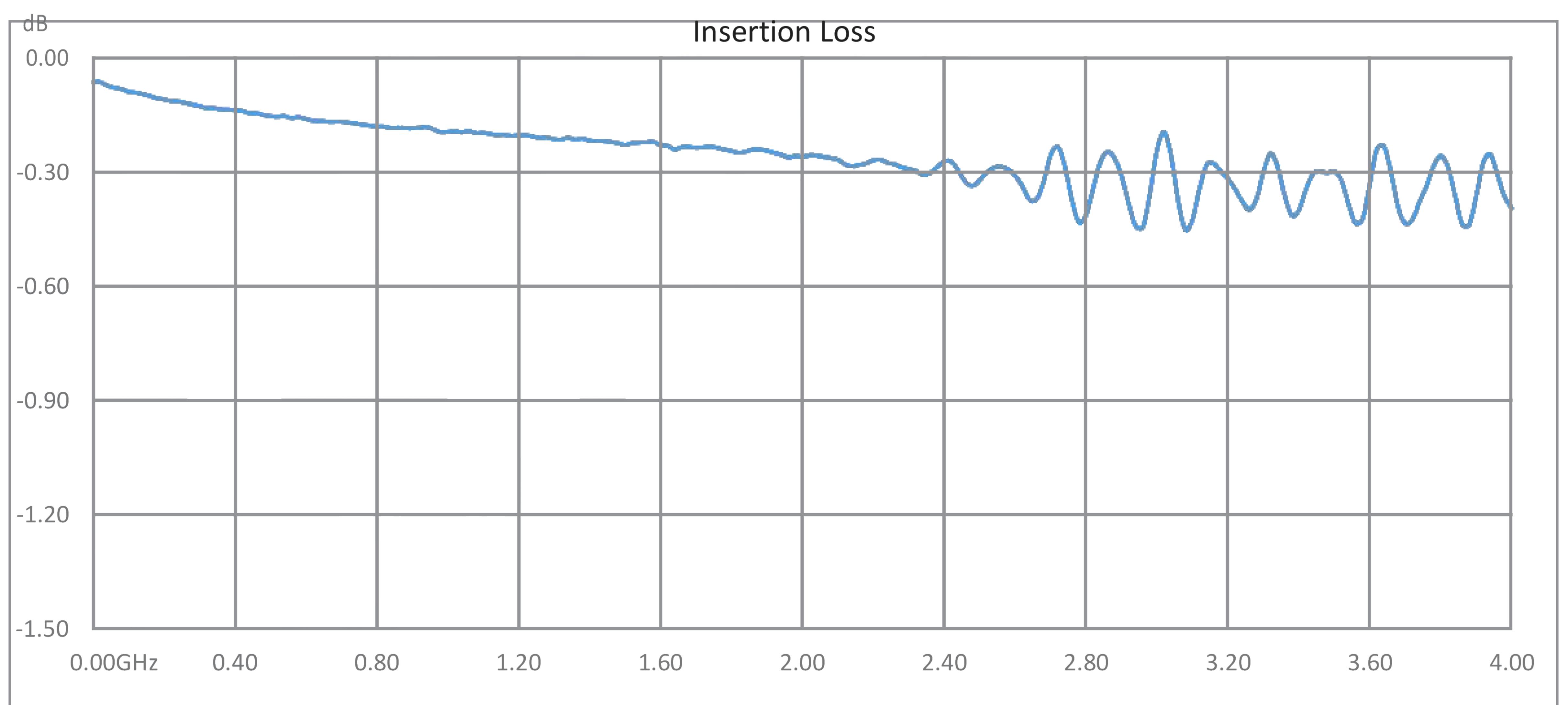
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Typical Performance Data





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Bulkhead Hermetically Sealed BNC Female to BNC Female Adapter from Ebeestock Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

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URL: https://www.ebeestock.com/bulkhead-mount-hermetically-sealed-bnc-female-to-bnc-female-adap ter-0012141

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.

ET12141 CAD Drawing
Bulkhead Hermetically Sealed BNC Female to BNC Female Adapter

