



RF Adapters Technical Data Sheet

ET11949

Configuration

- 2.92mm Male Connector 1
- 2.92mm Female Connector 2

Features

- Max VSWR of 1.5:1 up to 40 GHz
- 2.92mm interface compliant with MIL-STD-348
- Epoxy captivation

- 50 Ohm
- Radius Right Angle Body Geometry
- Contact plating according to ASTM B-488
- Gold Plated Beryllium Copper Contact

Applications

General Purpose Test

Description

Ebeestock's ET11949 2.92mm male to 2.92mm female radius right angle adapter is part of our full line of RF components available for same-day shipping. The 2.92mm connector mates mechanically with commercially available SMA and 3.5mm connectors. Our 2.92mm to 2.92mm adapter has a male to female gender configuration. ET11949 2.92mm male to 2.92mm female adapter operates to 40 GHz. The Ebeestock RF adapter provides good VSWR of 1.5:1 maximum. This radius right angle 2.92mm to 2.92mm adapter allows for easier connections in tight spaces.

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		40	GHz
VSWR			1.5:1	
Insertion Loss			0.5	dB
Operating Voltage (AC)			500	Vrms
Dielectric Withstanding Voltage (AC)			1,500	Vrms
High Potential Voltage			1,000	Vrms
at 5 MHz				
Corona Discharge			375	Vrms
at 70,000 ft				
Inner Conductor DC Resistance			3	mOhms
Outer Conductor DC Resistance			2	mOhms
Outer Conductor DC Resistance				

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 2.92mm Male to 2.92mm Female Radius Right Angle Adapter, Up To 40 GHz ET11949





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Insulation Resistance	5,000	MOhms
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Electrical Specification Notes:

RF Leakage: -90 dB max from 2 to 3 GHz.

Mechanical Specifications

Size

 Length
 0.85 in [21.59 mm]

 Width
 0.312 in [7.92 mm]

 Weight
 0.011 lbs [4.99 g]

Description	Connector 1	Connector 2
Type	2.92mm Male	2.92mm Female
Polarity	Standard	Standard
Interface Specification	MIL-STD-348	MIL-STD-348
Contact Captivation Method	Ероху	Ероху
Mating Cycles	500	500
Hex Size	5/16 in.	
Mating Torque	8 in-lbs [0.90 Nm] max	

Material Specifications

	Connect	or 1	Conne	ctor 2
Description	n Material	Plating	Material	Plating
Туре	2.92mm Male		2.92mm Female	
Contact	Beryllium Copper	Gold	Beryllium Copper	Gold
		ASTM B-488		ASTM B-488
Insulation	PTFE		PTFE	
Outer Conductor	r		Passivated Stainless Steel	
				ASTM A-967
Body	Passivated Stainless Steel			
		ASTM A-967		
Coupling Nut	Passivated Stainless Steel			
		ASTM A-967		

Environmental Specifications

Temperature

Operating Range -55 to +125 deg C

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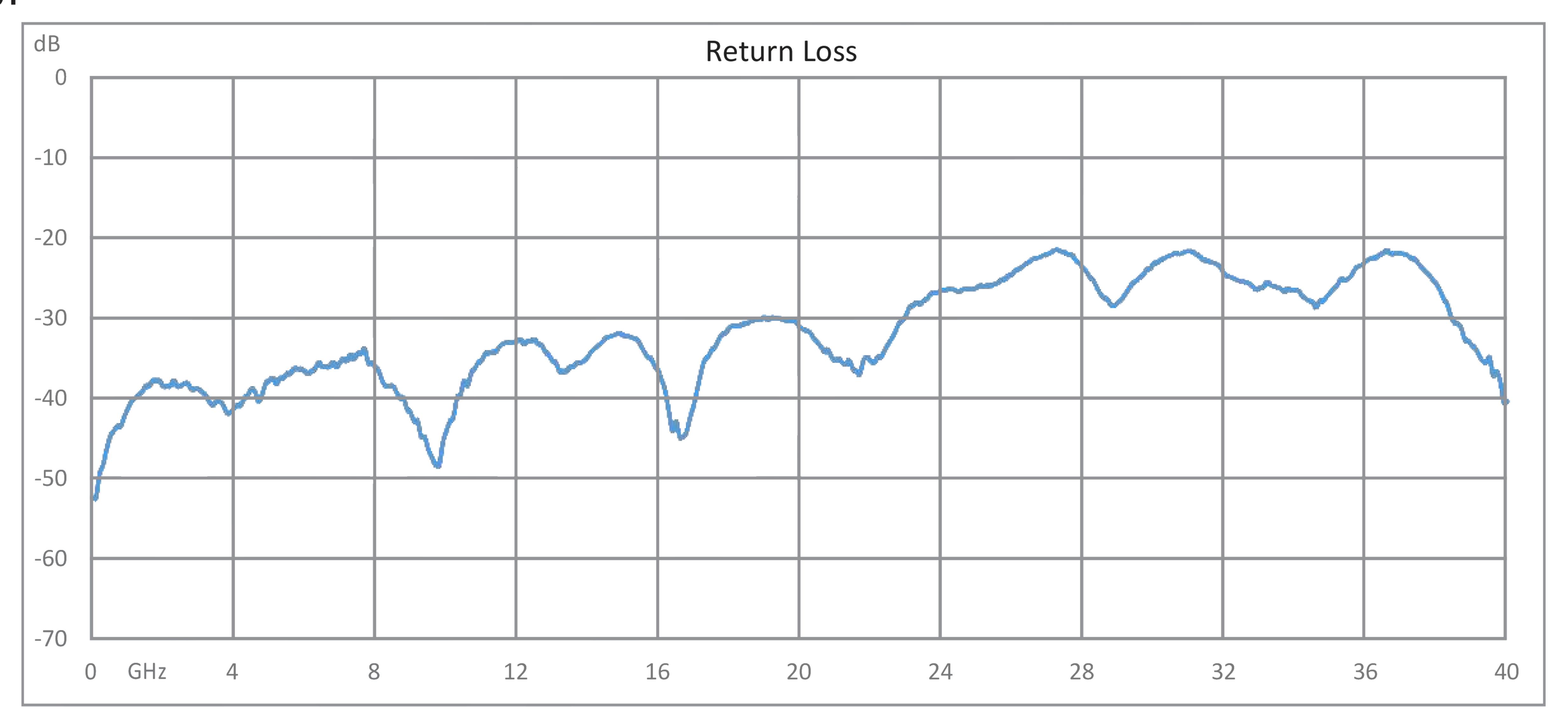
Humidity	MIL-STD-202, Method 106
Shock	MIL-STD-202, Method 213, Test Cond. I
Vibration	MIL-STD-202, Method 204, Test Cond. D
Temperature Cycling	MIL-STD-202, Method 102, Test Cond. C
Thermal Shock	MIL-STD-202, Method 107, Test Cond. B
Salt Spray	MIL-STD-202, Method 101, Test Cond. B

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Typical Performance Data



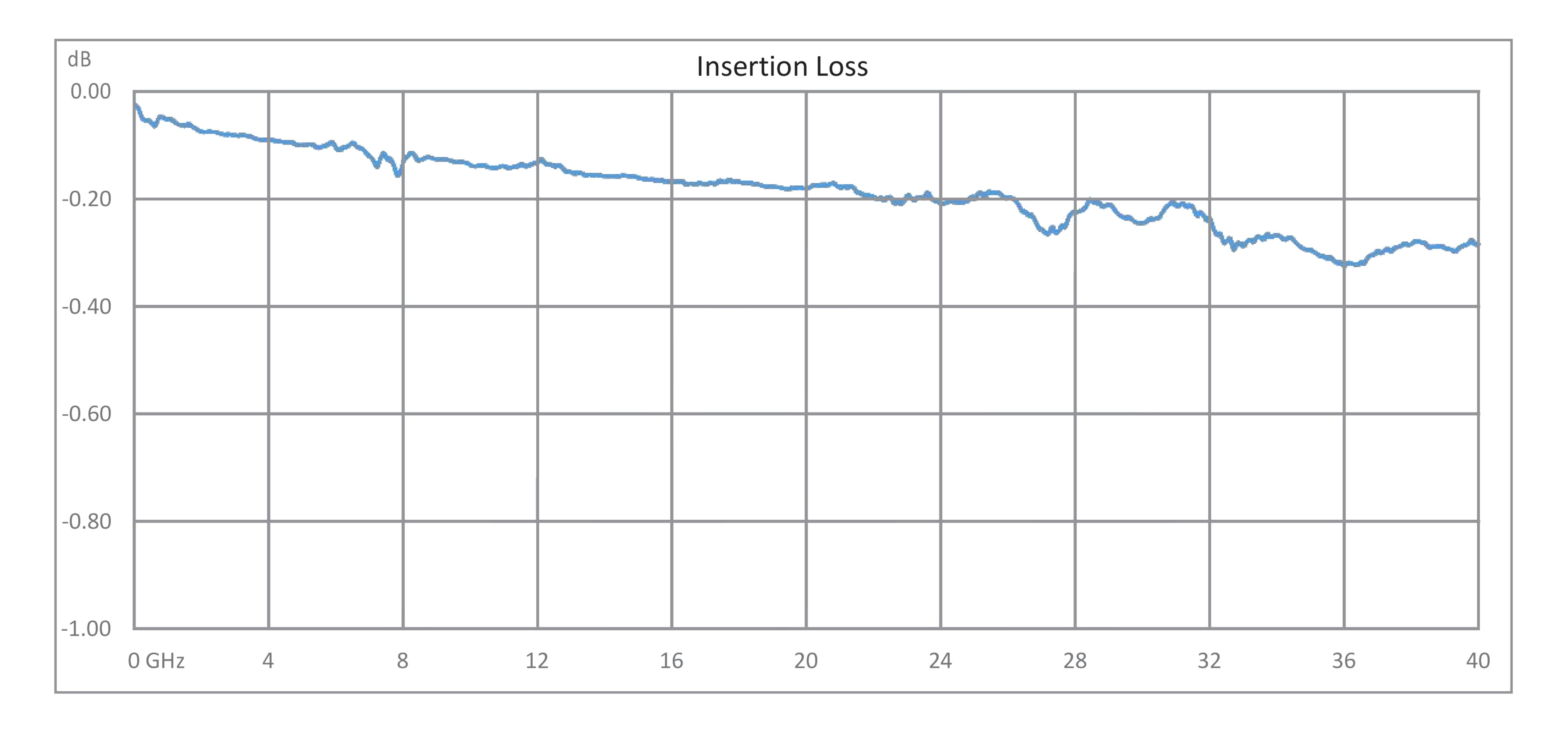
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2.92mm Male to 2.92mm Female Radius Right Angle Adapter, Up To 40 GHz from Ebeestock Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 2.92mm Male to 2.92mm Female Radius Right Angle Adapter, Up To 40 GHz ET11949

URL: https://www.ebeestock.com/2-92mm-male-to-2-92mm-female-radius-right-angle-adapter-up-to-40 -ghz-0011949

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.

ET11949 CAD Drawing

2.92mm Male to 2.92mm Female Radius Right Angle Adapter, Up To 40 GHz

