



RF Adapters Technical Data Sheet

ET1261

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Configuration

- SMA Male Connector 1
- SMA Female Connector 2

Features

- Max VSWR of 1.23:1 up to 12.4 GHz
- SMA Interface compliant with MIL-STD-348A
- 50 Ohms
- Right Angle Body Geometry

Gold Plated Contact

• 50µ in min Gold Contact Plating

Applications

General Purpose Test

Description

Ebeestock's ET12618 SMA male to SMA female right angle 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 SMA adapter has a male to female gender configuration. ET12618 SMA male to SMA female adapter operates to

12.4 GHz. The Ebeestock RF adapter provides excellent VSWR of 1.23:1 maximum. This low profile right angle SMA 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.

trical Specifications				
Frequency Range	DC		12.4	GHz
VSWR		1.13:1	1.23:1	
nsertion Loss		0.19	0.3	dB
Operating Voltage (AC)			500	Vrms
nner Conductor DC Resistance			3	mOhms
Outer Conductor DC Resistance			2	mOhms
Insulation Resistance	5,000			MOhms

Mechanical Specifications

Size

 Length
 0.65 in [16.51 mm]

 Width
 0.591 in [15.01 mm]

 Height
 0.315 in [8 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price,

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





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Weight 0.017 lbs [7.71 g]

Description	Connector 1	Connector 2	
Type	SMA Male	SMA Female	
Polarity	Standard	Standard	
Interface Specification	MIL-STD-348A	MIL-STD-348A	
Mating Cycles	500	500	
Hex Size	8 mm		
Mating Torque	3 to 5 in-lbs [0.34 to 0.57 Nm]		
Coupling Proof Torque, Min	5 in-lbs [0.57 Nm]		

Material Specifications

	Connector 1		Conne	ector 2
Description	Material	Plating	Material	Plating
Туре	SMA Male		SMA Female	
Contact	Brass	Gold	Beryllium Copper	Gold
		50 μin. minimum		50μ in. minimum
Insulation	PTFE		PTFE	
Outer Conductor			Brass	Nickel
				100μ in. minimum
Body	Brass	Nickel		
		100μ in. minimum		
Gasket	Silicone			
Coupling Nut	Brass	Nickel		
		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

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMA Male to SMA Female Right Angle Adapter ET12618

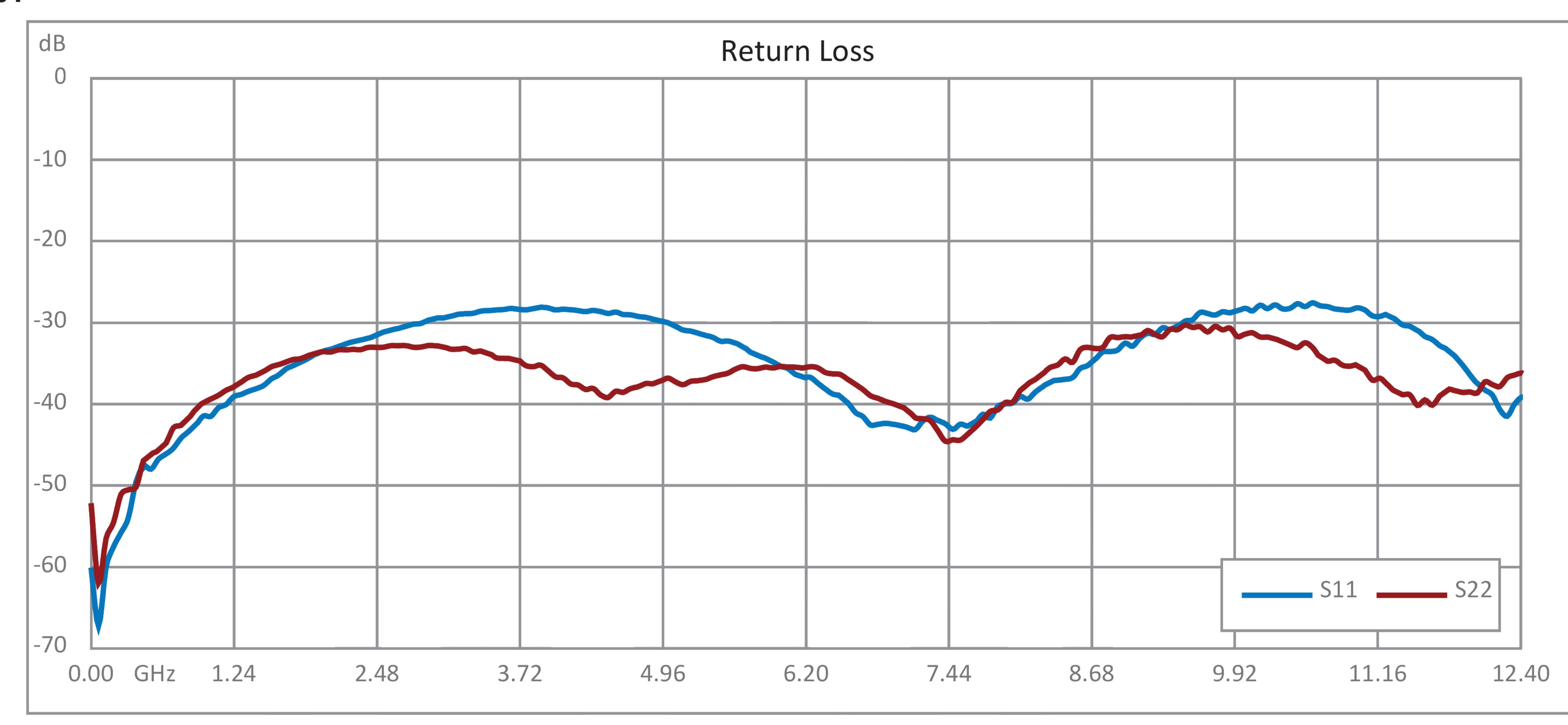
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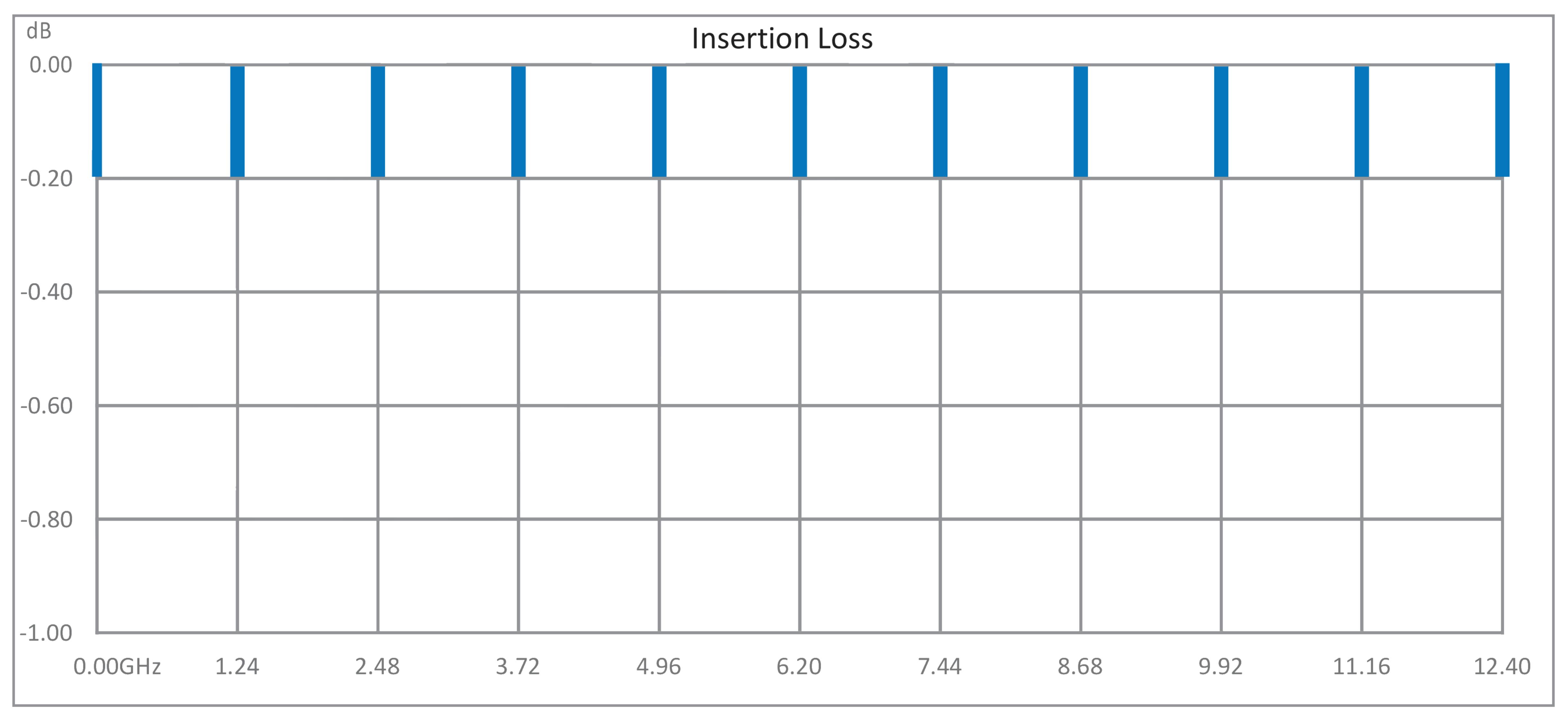




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Typical Performance Data





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SMA Male to SMA Female Right Angle 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMA Male to SMA Female Right Angle Adapter ET12618

URL: https://www.ebeestock.com/sma-male-to-sma-female-right-angle-adapter-0012618

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.

ET12618 CAD Drawing
SMA Male to SMA Female Right Angle Adapter

