



RF Adapters Technical Data Sheet

ET12625

Configuration

- SMA Female Connector 1
- UMCX Jack Connector 2

- 50 Ohms
- Straight Body Geometry

Features

- Max VSWR of 1.3:1 up to 6 GHz
- SMA interface compliant with MIL-STD-348A
- UMCX interface compliant with MIL-STD-348A
- 50 µin minimum contact plating
- Gold Plated Beryllium Copper Contact

Applications

Allows Connection Between Series

General Purpose Test

Description

Ebeestock's ET12625 SMA female to UMCX jack 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 UMCX adapter has a female to jack gender configuration. ET12625 SMA female to UMCX jack adapter operates to 6 GHz. The Ebeestock RF adapter provides good VSWR of 1.3:1 maximum.

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		6	GHz
VSWR		1.08:1	1.3:1	
Operating Voltage (AC)			100	Vrms
Dielectric Withstanding Voltage (AC)			200	Vrms
Inner Conductor DC Resistance			3	mOhms
Outer Conductor DC Resistance			2	mOhms
Insulation Resistance	5,000			MOhms

Electrical Specification Notes: Values at 25° sea level.

Mechanical Specifications

Size

Length 0.465 in [11.81 mm]

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 UMCX Jack Adapter ET12625

www.ebeestock.com

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ET12625

Width	0.25 in [6.35 mm]
Weight	0.008 lbs [3.63 g]

Description	Connector 1	Connector 2	
Туре	SMA Female	UMCX Jack	
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		UMCX Jack		
Contact	Beryllium Copper	Gold	Beryllium Copper	Gold	
		50 μin minimum		50 µin minimum	
Insulation	PTFE		PTFE		
Outer Conductor	Brass	Gold	Brass	Gold	
		3 µin minimum		3 µin minimum	

Environmental Specifications

Temperature

Operating Range -40 to +90 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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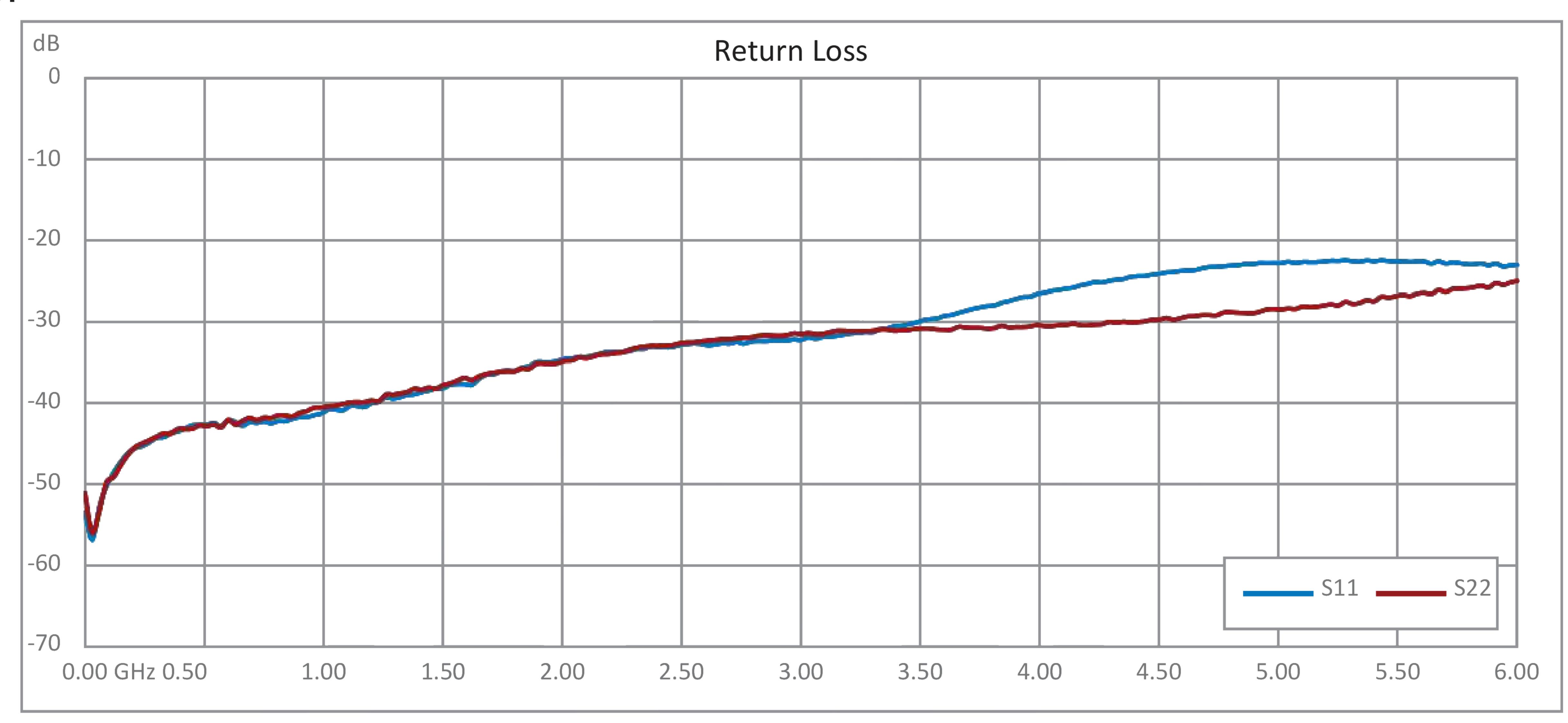


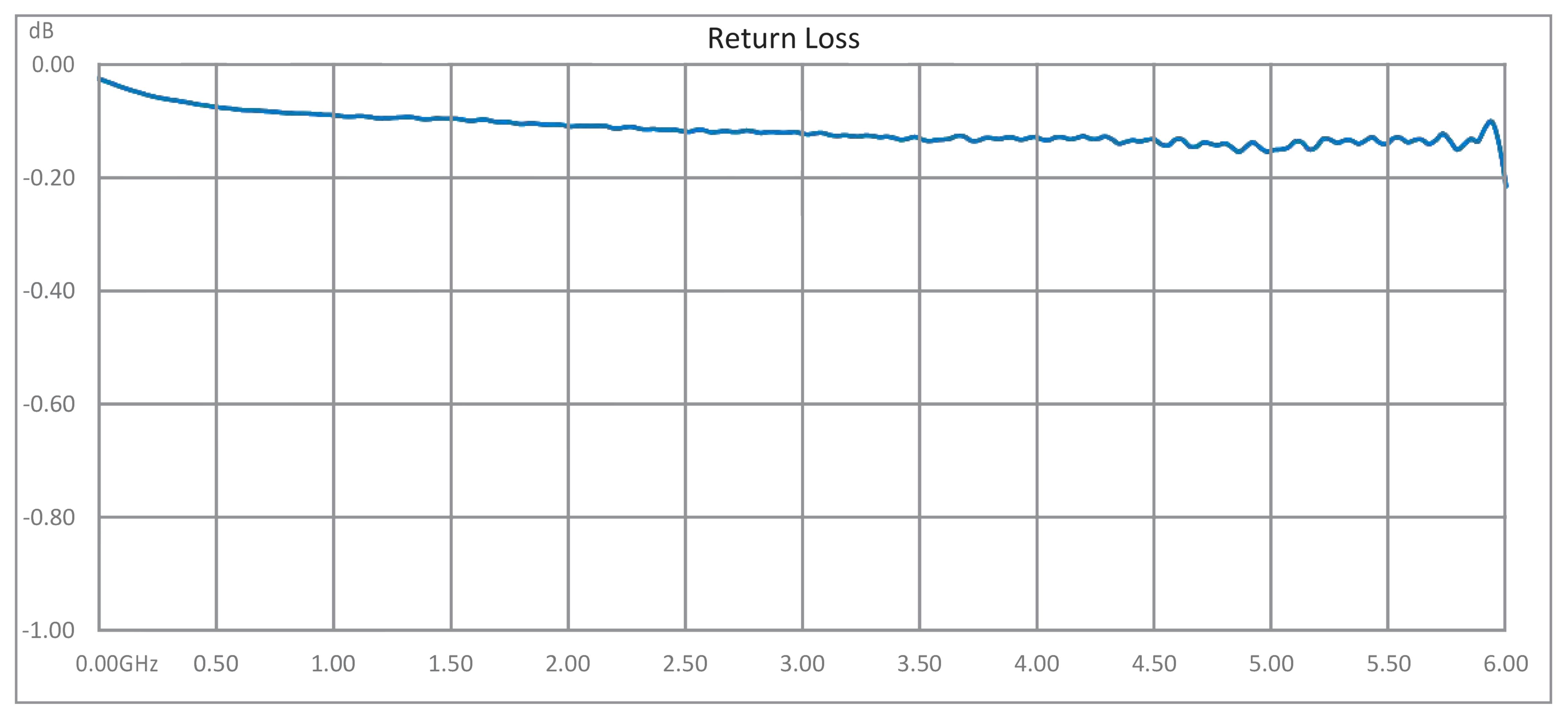


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Typical Performance Data





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ET12625

SMA Female to UMCX Jack 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 Female to UMCX Jack Adapter ET12625

URL: https://www.ebeestock.com/sma-female-to-umcx-jack-adapter-0012625

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.

ET12625 CAD Drawing SMA Female to UMCX Jack Adapter

