

Precision SMA Male to SMA Female Adapter, Max. Freq. 27 GHz



# RF Adapters Technical Data Sheet

ET1272

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# Configuration

- SMA Male Connector 1
- SMA Female Connector 2
- 50 Ohms

- Precision Design
- Straight Body Geometry

### Features

- Max VSWR of 1.2:1 up to 27 GHz
- Gold over Nickel Plated Beryllium Copper Contact
- Contact Plating per MIL-G-45204

# Applications

Connector Saver

General Purpose Test

Precision Test & Measurement

## Description

Ebeestock's ET12724 precision SMA male to SMA female 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 in a precision design. ET12724 SMA male to SMA female adapter operates to 27 GHz. The Ebeestock RF adapter provides excellent VSWR of 1.2:1 maximum. The ET12724 Ebeestock RF adapter can also be used as a connector saver to extend equipment life.

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.

lectrical Specifications			
Erequency Range	DC	27	GHz
VSWR		1.2:1	
Insertion Loss		0.26	dB

Electrical Specification Notes: Values at 25°C, sea level. Insertion Loss (dB) = 0.05\*sqrt(fGHz).

### Mechanical Specifications

Size

 Length
 0.72 in [18.29 mm]

 Width
 0.312 in [7.92 mm]

 Weight
 0.013 lbs [5.9 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Precision SMA Male to SMA Female Adapter Max. Freq. 27 GHz ET12724

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



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	Connector 2
SMA Male	SMA Female
Standard	Standard
500	500
5/16 in.	
8 to 10 in-lbs [0.90 to 1.13 Nm]	
	Standard 500 5/16 in.

### Material Specifications

	Connector 1		Connector 2	
Description	n Material	Plating	Material	Plating
Туре	SMA Male		SMA Female	
Contact	Beryllium Copper	Gold over Nickel	Beryllium Copper	Gold over Nickel
		MIL-G-45204		MIL-G-45204
Insulation	PTFE		PTFE	
Outer Conductor			Passivated Stainless Steel	
				ASTM A380
Body	Passivated Stainless Steel			
		ASTM A380		
Coupling Nut	Passivated Stainless Steel			
		ASTM A380		

## **Environmental Specifications**

Temperature

Operating Range -55 to +100 deg C

MIL-STD-202, Method 204, Cond. D (20G's)
MIL-STD-202, Method 101, Cond. B, 5% salt solution Vibration

Salt Spray

Compliance Certifications (see product page for current document)

### Plotted and Other Data

Notes:

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Precision SMA Male to SMA Female Adapter Max. Freq. 27 GHz 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/precision-sma-male-to-sma-female-adapter-max-freq-27-ghz-0012724

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.

ET12724 CAD Drawing
Precision SMA Male to SMA Female Adapter Max. Freq. 27 GHz

