

Precision SMA Male to SMA Female Miter Right Angle Adapter, 27 GHz



RF Adapters Technical Data Sheet

ET12645

Configuration

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

- Precision Design
- Miter Right Angle Body Geometry

Features

- Max VSWR of 1.15:1 up to 27 GHz
- Contact plating according to MIL-G-45204
- Gold over Nickel Plated Beryllium Copper Contact

Applications

General Purpose Test

Precision Test & Measurement

Description

Ebeestock's ET12645 SMA male to SMA female miter 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 in a precision design. ET12645 SMA male to SMA female adapter operates to 27 GHz. The Ebeestock RF adapter provides excellent VSWR of 1.15:1 maximum. This miter right angle SMA to 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.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC	27 GHz		
VSWR		1.15:1		
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 0.47 in [11.94 mm] Width 0.517 in [13.13 mm] Weight 0.0167 lbs [7.57 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 Miter Right Angle Adapter, 27 GHz ET12645

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



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Description	Connector 1	Connector 2	
Туре	SMA Male	SMA Female	
Polarity	Standard	Standard	
Hex Size	5/16 in.		
Mating Torque	8 to 10 in-lbs [0.90 to 1.13 Nm]		

Material Specifications

	Connect	or 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 °C

Vibration

MIL-STD-202, Method 204, Cond. D (20G's)

Salt Spray

MIL-STD-202, Method 101, Cond. B, 5% salt solution

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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Precision SMA Male to SMA Female Miter Right Angle Adapter, 27 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.

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URL: https://www.ebeestock.com/precision-sma-male-to-sma-female-miter-right-angle-adapter-27-gh z-0012645

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.

ET12645 CAD Drawing
Precision SMA Male to SMA Female Miter Right Angle Adapter, 27 GHz

