

SMA Tee Adapter Female-Male-Female



RF Adapters Technical Data Sheet

ET1270

Configuration

- SMA Female Connector 1
- SMA Male Connector 2

Features

- SMA interface compliant with MIL-STD-348
- Contact plating according to MIL-G-45204

- 50 Ohm
- Tee Body Geometry

Applications

General Purpose Test

Gold Plated Beryllium Copper Contact

Description

Ebeestock's ET12700 SMA Tee adapter female-male-female 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 tee adapter has a female-male-female gender configuration. Our SMA tee connector operates to 6 GHz. Tee adapters (also called tee connectors) are three port devices that can be used to split or combine a signal. Unlike power dividers/combiners, however, they do not provide matched impedance at all ports.

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

Frequency Range	DC	6	GHz

Electrical Specification Notes: Values at 25°C, sea level.

Mechanical Specifications

Size

 Length
 1.035 in [26.29 mm]

 Width
 0.312 in [7.92 mm]

 Height
 0.675 in [17.15 mm]

 Weight
 0.015 lbs [6.8 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMA Tee Adapter Female-Male-Female ET12700



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Description	Connector 1	Connector 2	
Type	SMA Female	SMA Male	
Polarity	Standard	Standard	
Interface Specification	MIL-STD-348	MIL-STD-348	
Hex Size	5/16 in.		
Mating Torque	3 to 5 in-lbs 0.34 to 0.57 Nm		

Material Specifications

Connector 1		Connector 2	
Material	Plating	Material	Plating
SMA Female		SMA Male	
Beryllium Copper	Gold	Beryllium Copper	Gold
	MIL-G-45204		MIL-G-45204
PTFE		PTFE	
Brass	Nickel		
	QQ-N-290		
		Brass	Nickel
			QQ-N-290
		Brass	Nickel
			QQ-N-290
	Material SMA Female Beryllium Copper PTFE	Material Plating SMA Female Beryllium Copper Gold MIL-G-45204 PTFE Brass Nickel	MaterialPlatingMaterialSMA FemaleSMA MaleBeryllium CopperGold MIL-G-45204Beryllium Copper MIL-G-45204PTFEPTFEPTFEBrassNickel QQ-N-290Brass

Environmental SpecificationsTemperature

Operating Range

-65 to +165 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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RF Adapters Technical Data Sheet ET12700

SMA Tee Adapter Female-Male-Female 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/sma-tee-adapter-female-male-female-0012700

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.

ET12700 CAD Drawing SMA Tee Adapter Female-Male-Female

