

SMP Female to SMP Female Adapter, 19.5mm Long Bullet



RF Adapters Technical Data Sheet

ET1280

2

Configuration

- SMP Female Connector 1
- SMP Female Connector 2

- 50 Ohms
- Straight Body Geometry

Features

- SMP Interface compliant with MIL-STD-348A
- Gold Plated Beryllium Copper Contact

Applications

General Purpose Test

Description

Ebeestock's ET12802 SMP female to SMP female adapter is part of our full line of RF components available for same-day shipping. Our SMP to SMP adapter has a female to female gender configuration. ET12802 SMP female to SMP female adapter operates to 26.5 GHz.

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

Erequency Range	DC	26.5	GHz
Operating Voltage (AC)		335	Vrms
Dielectric Withstanding Voltage (AC)		500	Vrms
Inner Conductor DC Resistance		6	mOhms
Outer Conductor DC Resistance		2	mOhms
Insulation Resistance	5,000		MOhms

Performance by Frequency

Frequency Range	DC to 4	4 to 12	12 to 18	GHz
Return Loss, Max	-30	-20	-15	dB

Electrical Specification Notes:

Values at 25°C, sea level.

Insertion loss (dB) = 0.1 x sqrt(FGHz) max., DC to 18 GHz.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMP Female to SMP Female Adapter 19.5mm Long Bullet ET12802

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Mechanical Specifications

Size

 Length
 0.77 in [19.56 mm]

 Width
 0.14 in [3.56 mm]

 Weight
 0.00324 lbs [1.47 g]

Description	Connector 1	Connector 2	
Type	SMP Female	SMP Female	
Polarity	Standard	Standard	
Interface Specification	MIL-STD-348A	MIL-STD-348A	

Material Specifications

	Connector 1		Connector 2		
Description	Material	Plating	Material	Plating	
Туре	SMP Female		SMP Female		
Contact	Beryllium Copper	Gold	Beryllium Copper	Gold	
Insulation	PTFE		PTFE		
Outer Conductor	Beryllium Copper	Gold	Beryllium Copper	Gold	

Environmental Specifications

Temperature

Operating Range -65 to +155 deg C

Humidity MIL-STD-202, Method 106

Shock
MIL-STD-202, Method 213, Condition A
Vibration
MIL-STD-202, Method 204, Condition B
Thermal Shock
MIL-STD-202, Method 107, Condition B

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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SMP Female to SMP Female Adapter 19.5mm Long Bullet 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/smp-female-to-smp-female-adapter-19-5mm-long-bullet-0012802

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.

ET12802 CAD Drawing
SMP Female to SMP Female Adapter 19.5mm Long Bullet

