SMP Female to SMP Female Adapter, 6.45mm Long Bullet

RF Adapters Technical Data Sheet

ET12804

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 ET12804 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. ET12804 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

Frequency 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	-26	-20	-13	dB

Electrical Specification Notes:
Values at 25°C, sea level.
Insertion loss (dB) = 0.05 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 6.45mm Long Bullet ET12804

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

Webstie:www.ebeestock.com Email:sales@ebeestock.com

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Mechanical Specifications

Size

Length	0.25 in [6.35 mm]
Width	0.14 in [3.56 mm]
Weight	0.027 lbs [12.25 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
Type	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 6.45mm 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.

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 6.45mm Long Bullet ET12804

URL: https://www.ebeestock.com/smp-female-to-smp-female-adapter-6-45mm-long-bullet-0012804

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.

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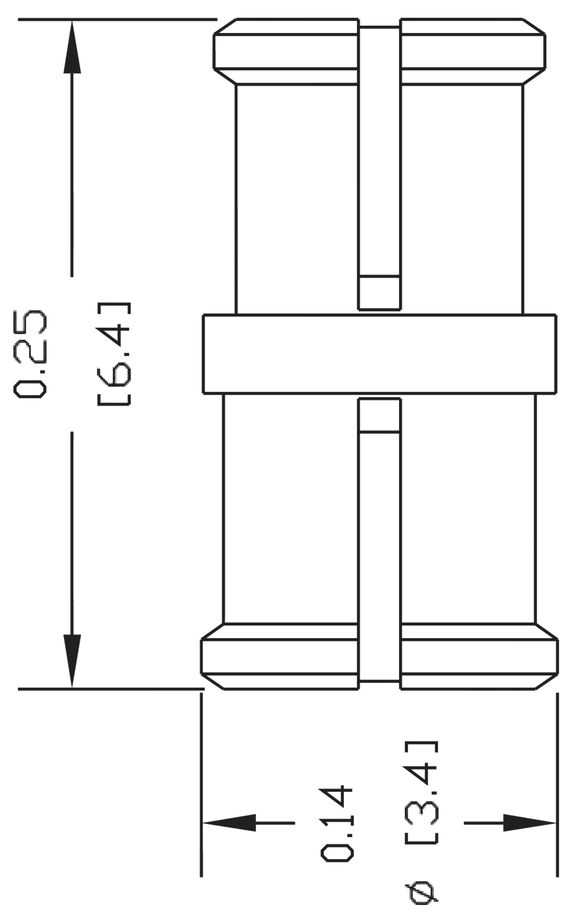
ET12804 CAD Drawing

SMP Female to SMP Female Adapter 6.45mm Long Bullet



NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

DWG TITLE
ET12804

REV. -

FSCM NO. 53919

CAD FILE 091506

SCALE N/A

SIZE A

127

ebeestock
Ebeestock.com
8th Floor, Building 1, Yongfu Science
and Technology Center Industrial Park,
Nanzha District 5, Humen,523900, Dongguan, Guangdong, China.
Webstie: www.ebeestock.com Email: sales@ebeestock.com

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