

SMP Female to SMP Female Adapter, Up to 8 GHz, .562 inch Spe cial Length



RF Adapters Technical Data Sheet

ET12799

Configuration

- SMP Female Connector 1
- SMP Female Connector 2

- 50 Ohm
- Straight Body Geometry

Features

Gold Plated Beryllium Copper Contact

Applications

General Purpose Test

Description

Ebeestock's ET12799 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. ET12799 SMP female to SMP female adapter is gold plated and operates to 40 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

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		40	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

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 8	8 to 26.5				GHz
VSWR, Max	1.1:1	1.35:1				

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

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, Up to 8 GHz, .562 inch Special Length ET12799

www.ebeestock.com

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Mechanical Specifications

Size

 Length
 0.562 in [14.27 mm]

 Width
 0.135 in [3.43 mm]

 Weight
 0.0023 lbs [1.04 g]

Description	Connector 1	Connector 2	
Type	SMP Female	SMP Female	
Polarity	Standard	Standard	

Mechanical Specification Notes:

SMP mating cycles: 1,000 (smooth bore), 500 (limited detent), 100 (full detent) minimum.

Material Specifications

Material	Plating	Material	Plating
SMP Female		SMP Female	
Beryllium Copper	Gold	Beryllium Copper	Gold
PTFE		PTFE	
Beryllium Copper	Gold	Beryllium Copper	Gold
Brass	Gold	Brass	Gold
	Beryllium Copper PTFE Beryllium Copper	Beryllium Copper Gold PTFE Beryllium Copper Gold	Beryllium Copper PTFE PTFE Beryllium Copper Gold Beryllium Copper Beryllium Copper

Environmental Specifications

Temperature

Operating Range -40 to +125 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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SMP Female to SMP Female Adapter, Up to 8 GHz, .562 inch Special Length 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.

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, Up to 8 GHz, .562 inch Special Length ET12799

URL: https://www.ebeestock.com/smp-female-to-smp-female-adapter-up-to-8-ghz-562-inch-special-length-0012799

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.

ET12799 CAD Drawing
SMP Female to SMP Female Adapter, Up to 8 GHz, .562 inch Special Length

