

SMA Female to SSMC Plug Adapter



## RF Adapters Technical Data Sheet

ET12677

### Configuration

- SMA Female Connector 1
- SSMC Plug Connector 2

- 50 Ohm
- Straight Body Geometry

#### Features

- Max VSWR of 1.25:1 up to 3 GHz
- SMA interface compliant with MIL-STD-348
- SSMC interface compliant with MIL-C-39012
- Contact plating according to MIL-G-45204
- Gold Plated Beryllium Copper Contact

## Applications

Allows Connection Between Series

General Purpose Test

#### Description

Ebeestock's ET12677 SMA female to SSMC plug 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 SSMC adapter has a female to plug gender configuration. ET12677 SMA female to SSMC plug adapter operates to 3 GHz. The Ebeestock RF adapter provides excellent VSWR of 1.25:1 maximum.

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	3 GHz		GHz
VSWR		1.25:1		
Operating Voltage (AC)		335 Vrms		Vrms
Insulation Resistance	5,000			MOhms

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

#### Mechanical Specifications

Size

 Length
 0.763 in [19.38 mm]

 Width
 0.25 in [6.35 mm]

 Height
 0.156 in [3.96 mm]

 Weight
 0.009 lbs [4.08 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMA Female to SSMC Plug Adapter ET12677

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



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SMA Female Standard	Stareland
Standard	O4
Stariuaru	Standard
MIL-STD-348	/IL-C-39012
	5/16 inch
	MIL-STD-348

#### Material Specifications

	Connector 1		Connector 2		
Description	Material	Plating	Material	Plating	
Туре	SMA Female		SSMC Plug		
Contact	Beryllium Copper	Gold	Beryllium Copper	Gold	
		MIL-G-45204		MIL-G-45204	
Insulation	PTFE		PTFE		
Outer Conductor	Brass	Nickel			
		QQ-N-290			
Body			Brass	Nickel	
				QQ-N-290	
Coupling Nut			Brass	Nickel	
				QQ-N-290	
				QQ-N-290	

Environmental Specifications
Temperature
Operating Range

-65 to +165 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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SMA Female to SSMC Plug Adapter 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-female-to-ssmc-plug-adapter-0012677

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.

# ET12677 CAD Drawing SMA Female to SSMC Plug Adapter

