

SMA Female to SMA Female Bulkhead Mount Adapter



# RF Adapters Technical Data Sheet

ET12649

## Configuration

- SMA Female Connector 1
- SMA Female Connector 2
- 50 Ohms

- Straight Body Geometry
- Bulkhead Mount Method

## Features

- Max VSWR of 1.25:1 up to 18 GHz
- Gold Plated Beryllium Copper Contact

- 1.27µm min Gold Contact Plating
- Epoxy captivation

## Applications

General Purpose Test

Rack Mounted Equipment

### Description

Ebeestock's ET12649 SMA female to SMA female bulkhead 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 SMA adapter has a female to female gender configuration. ET12649 SMA female to SMA female adapter operates to 18 GHz. The Ebeestock RF adapter provides excellent VSWR of 1.25:1 maximum. This RF SMA to SMA bulkhead adapter allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

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		18	GHz
VSWR			1.25:1	
Operating Voltage (AC)			335	Vrms
Dielectric Withstanding Voltage (AC)			1,000	Vrms

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

## Mechanical Specifications

Size

 Length
 0.88 in [22.35 mm]

 Width
 0.38 in [9.65 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 SMA Female Bulkhead Adapter ET12649

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Description	Connector 1	Connector 2
Туре	SMA Female	SMA Female
Polarity	Standard	Standard
Contact Captivation Method	Ероху	Ероху

### Material Specifications

Description	Connector 1		Connector 2		
	Material	Plating	Material	Plating	
Туре	SMA Female		SMA Female		
Contact	Beryllium Copper	Gold	Beryllium Copper	Gold	
		1.27 µm minimum		1.27 µm minimum	
Insulation	PTFE		PTFE		
Outer Conductor Pa	assivated Stainless Steel		Passivated Stainless Steel		

## **Environmental Specifications**

Temperature

Operating Range -55 to +100 deg C

Compliance Certifications (see product page for current document)

#### Plotted and Other Data

Notes:

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SMA Female to SMA Female Bulkhead Adapter 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: SMA Female to SMA Female Bulkhead Adapter ET12649

URL: https://www.ebeestock.com/sma-female-to-sma-female-bulkhead-mount-adapter-0012649

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.

ET12649 CAD Drawing
SMA Female to SMA Female Bulkhead Adapter

