



# RF Adapters Technical Data Sheet

ET1261

7

### Configuration

- SMA Female Connector 1
- SMA Female Connector 2
- 50 Ohm

- Straight Body Geometry
- Bulkhead Mount Method

### Features

- Max VSWR of 1.25:1 up to 12.4 GHz
- Isolated Ground
- SMA interface compliant with MIL-STD-348
- Contact plating according to MIL-G-45204
- Gold over Nickel Plated Beryllium Copper Contact

## Applications

General Purpose Test

Rack Mounted Equipment

#### Description

Ebeestock's ET12617 isolated ground 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. ET12617 SMA female to SMA female adapter operates to 12.4 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.

trical Specifications			
Frequency Range	DC	12.4	GHz
VSWR		1.25:1	
Operating Voltage (AC)		335	Vrms
Dielectric Withstanding Voltage (AC)		1,000	Vrms
Insulation Resistance	5,000		MOhms

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

### Mechanical Specifications

Size

Length 0.875 in [22.23 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price,

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



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 Width
 0.44 in [11.18 mm]

 Weight
 0.0777 lbs [35.24 g]

SMA Female	SMA Female
Standard	Standard
MIL-STD-348	MIL-STD-348
Isolated Ground	Isolated Ground
500	500
•	Standard  MIL-STD-348  Isolated Ground

#### Material Specifications

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

Environmental Specifications
Temperature

Operating Range -65 to +100 °C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Isolated Ground SMA Female to SMA Female Bulkhead Mount Adapter, with Plastic Isolator ET12617

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Isolated Ground SMA Female to SMA Female Bulkhead Mount Adapter, with Plastic Isolator 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: Isolated Ground SMA Female to SMA Female Bulkhead Mount Adapter, with Plastic Isolator ET12617

**URL:** https://www.ebeestock.com/isolated-ground-sma-female-to-sma-female-bulkhead-mount-adapterwith-plastic-isolator-0012617

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.

