

SMA Female to BNC Female Bulkhead Mount Adapter



# RF Adapters Technical Data Sheet

ET1221

## Configuration

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

- Straight Body Geometry
- Bulkhead Mount Method

#### Features

- SMA Interface compliant with MIL-STD-348
- BNC Interface compliant with MIL-STD-348
- Gold Plated Beryllium Copper Contact
- 30 µin min Gold Contact Plating

# Applications

Allows Connection Between Series
 General Purpose Test

Rack Mounted Equipment

#### Description

Ebeestock's ET12210 SMA female to BNC 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 BNC adapter has a female to female gender configuration. ET12210 SMA female to BNC female adapter operates to 4 GHz. This RF SMA to BNC 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.

lectrical Specifications					
Erequency Range	DC	4	GHz		
Operating Voltage (AC)		500	Vrms		
Dielectric Withstanding Voltage (AC)		1,500	Vrms		

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

#### Mechanical Specifications

Size

Length
Width
University 1.32 in [33.53 mm]
University 0.69 in [17.53 mm]
University 0.046 lbs [20.87 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 BNC Female Bulkhead Adapter ET12210

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Description	Connector 1	Connector 2
Туре	SMA Female	BNC Female
Polarity	Standard	Standard
Interface Specification	MIL-STD-348	MIL-STD-348

#### Material Specifications

	Connector 1		Connector 2	
Description	Material	Plating	Material	Plating
Туре	SMA Female		BNC Female	
Contact	Beryllium Copper	Gold	Beryllium Copper	Gold
		30 µin minimum		30 µin minimum
Insulation	PTFE		PTFE	
Outer Conductor	Brass	Nickel	Brass	Nickel
		150 µin minimum		150 µin minimum

# **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 BNC 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 BNC Female Bulkhead Adapter ET12210

URL: https://www.ebeestock.com/sma-female-to-bnc-female-bulkhead-mount-adapter-0012210

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.

ET12210 CAD Drawing
SMA Female to BNC Female Bulkhead Adapter

