

TNC Female to BNC Male Adapter



# RF Adapters Technical Data Sheet

ET1218

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## Configuration

- TNC Female Connector 1
- BNC Male Connector 2

- 50 Ohms
- Straight Body Geometry

### Features

- Max VSWR of 1.3:1 up to 4 GHz
- TNC interface compliant with MIL-STD-348A
- BNC interface compliant with MIL-STD-348A
- 30 µin minimum contact plating
- Gold Plated Brass Contact

## Applications

Allows Connection Between Series
 General Purpose Test

## Description

Ebeestock's ET12188 TNC female to BNC male adapter is part of our full line of RF components available for same-day shipping. Our TNC to BNC adapter has a female to male gender configuration. ET12188 TNC female to BNC male adapter operates to 4 GHz. The Ebeestock RF adapter provides good VSWR of 1.3:1 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.

ctrical Specifications			
Erequency Range	DC	4	GHz
VSWR		1.3:1	
Operating Voltage (AC)		500	Vrms
Dielectric Withstanding Voltage (AC)		1,500	Vrms
Inner Conductor DC Resistance		1.5	mOhms
Outer Conductor DC Resistance		0.5	mOhms
Insulation Resistance	5,000		MOhms

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

## Mechanical Specifications

Size

Length 1.24 in [31.5 mm] Width 0.571 in [14.5 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: TNC Female to BNC Male Adapter ET12188

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Weight 0.038 lbs [17.24 g]

Connector 1	Connector 2	
TNC Female	BNC Male	
Standard	Standard	
MIL-STD-348A	MIL-STD-348A	
500	500	
	TNC Female Standard MIL-STD-348A	TNC Female BNC Male Standard Standard MIL-STD-348A MIL-STD-348A

## Material Specifications

	Conn	Connector 1		nector 2
Description	Material	Plating	Material	Plating
Туре	TNC Female		BNC Male	
Contact	Brass	Gold	Brass	Gold
		30 µin minimum		30 µin minimum
Insulation	PTFE		PTFE	
Outer Conductor	Brass	Nickel		
		100 µin minimum		
Body			Brass	Nickel
				100 µin minimum
Coupling Nut			Brass	Nickel
				100 μin minimum

#### **Environmental Specifications**

Temperature

Operating Range -65 to +165 deg C

Vibration

MIL-STD-202, Method 204, Condition B

MIL-STD-202, Method 107, Condition B

Salt Spray

MIL-STD-202, Method 101, Condition B

Compliance Certifications (see product page for current document)

### Plotted and Other Data

Notes:

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## RF Adapters Technical Data Sheet ET12188

TNC Female to BNC Male 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: TNC Female to BNC Male Adapter ET12188

URL: https://www.ebeestock.com/tnc-female-to-bnc-male-adapter-0012188

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.

# ET12188 CAD Drawing TNC Female to BNC Male Adapter

