

Precision N Female to TNC Male Adapter



# RF Adapters Technical Data Sheet

ET12490

## Configuration

- N Female Connector 1
- TNC Male Connector 2
- 50 Ohm

- Precision Design
- Straight Body Geometry

#### Features

- Max VSWR of 1.2:1 up to 18 GHz
- 4µ in. minimum contact plating

Gold over Nickel Plated Beryllium Copper Contact

## Applications

- Allows Connection Between Series
- General Purpose Test
- Precision Test & Measurement

### Description

Ebeestock's ET12490 type N female to TNC male adapter is part of our full line of RF components available for same-day shipping. Our type N to TNC adapter has a female to male gender configuration in a precision design. ET12490 type N female to TNC male adapter operates to 18 GHz. The Ebeestock RF adapter provides excellent VSWR of 1.2:1 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

Minimum	Typical	Maximum	Units
DC		18	GHz
		1.2:1	
			DC 18

Electrical Specification Notes: Values at 25°C, sea level. Insertion Loss (dB) = 0.05\*sqrt(fGHz).

#### Mechanical Specifications

Size

 Length
 1.85 in [46.99 mm]

 Width
 0.625 in [15.88 mm]

 Weight
 0.0906 lbs [41.1 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Precision N Female to TNC Male Adapter ET12490

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



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Description	Connector 1	Connector 2
Type	N Female	TNC Male
Polarity	Standard	Standard
Mating Cycles	500	500
Hex Size		9/16 in.

#### Material Specifications

	Connector 1		Connector 2			
Description	Material	Plating	Material	Plating		
Туре	N Female		TNC Male			
Contact	Beryllium Copper	Gold over Nickel	Beryllium Copper	Gold over Nickel		
		4μ in. minimum		4μ in. minimum		
Insulation	PTFE		PTFE			
Outer Conductor Passivated Stainless Steel						
Body			Passivated Stainless Steel			
Coupling Nut			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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Precision N Female to TNC Male 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Precision N Female to TNC Male Adapter ET12490

URL: https://www.ebeestock.com/precision-n-female-to-tnc-male-adapter-0012490

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.

