

Low PIM TNC Male to TNC Female Adapter



# RF Adapters Technical Data Sheet

ET12817

## Configuration

- TNC Male Connector 1
- TNC Female Connector 2
- 50 Ohms

- Low PIM Design
- Straight Body Geometry

## Features

- Max VSWR of 1.25:1 up to 6 GHz
- PIM levels lower than -150 dBc

- Silver Plated Beryllium Copper Contact
- 5µm min Silver Contact Plating

## Applications

Connector Saver

General Purpose Test

## Description

Ebeestock's ET12817 Low PIM TNC male to TNC female adapter is part of our full line of RF components available for sameday shipping. Our TNC to TNC adapter has a male to female gender configuration in a Low PIM design. ET12817 TNC male to TNC female adapter operates to 6 GHz. The Ebeestock RF adapter provides excellent VSWR of 1.25:1 maximum and passive intermodulation of -150 dBc maximum. The ET12817 Ebeestock RF adapter can also be used as a connector saver to extend equipment life.

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		6	GHz
VSWR	1.25:1			
Passive Intermodulation			-150	dBc
using 2x20W tones (800MHz)				
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 1.23 in [31.24 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Low PIM TNC Male to TNC Female Adapter ET12817

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

Webstie:www.ebeestock.com Email:sales@ebeestock.com



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 Width
 0.56 in [14.22 mm]

 Weight
 0.08 lbs [36.29 g]

Description	Connector 1	Connector 2
Type	TNC Male	TNC Female
Polarity	Standard	Standard
Hex Size	14 mm	

## Material Specifications

	Connector 1		Connector 2		
Description	Material	Plating	Material	Plating	
Туре	TNC Male		TNC Female		
Contact	Beryllium Copper	Silver	Beryllium Copper	Silver	
		5 µm minimum		5 µm minimum	
Insulation	PTFE		PTFE		
Outer Conductor			Brass	Tri-Metal	
				3µm minimum	
Body	Brass	Tri-Metal			
		3µm minimum			
Coupling Nut	Brass	Tri-Metal			
		3 µm minimum			

## **Environmental Specifications**

Temperature

Operating Range -45 to +125 deg C

Compliance Certifications (see product page for current document)

## Plotted and Other Data

Notes:

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Low PIM TNC Male to TNC Female 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: Low PIM TNC Male to TNC Female Adapter ET12817

URL: https://www.ebeestock.com/low-pim-tnc-male-to-tnc-female-adapter-0012817

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.

ET12817 CAD Drawing
Low PIM TNC Male to TNC Female Adapter

