



## TNC Male to TNC Male Adapter

### RF Adapters Technical Data Sheet

PE9445

#### Configuration

- TNC Male Connector 1
- TNC Male Connector 2
- 50 Ohms
- Straight Body Geometry

#### Features

- Max VSWR of 1.25:1 up to 18 GHz
- TNC Interface compliant with MIL-STD-348
- Gold over Nickel Plated Beryllium Copper Contact
- 50 µin min Gold over Nickel Contact Plating

#### Applications

- General Purpose Test

#### Description

Pasternack's PE9445 TNC male to TNC male adapter is part of our full line of RF components available for same-day shipping. Our TNC to TNC adapter has a male to male gender configuration built of durable stainless steel. PE9445 TNC male to TNC male adapter operates to 18 GHz. The Pasternack RF adapter provides excellent VSWR of 1.25:1 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. Pasternack 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		18	GHz
VSWR			1.25:1	
Insertion Loss			0.3	dB
Dielectric Withstanding Voltage (AC)			1,500	Vrms
Insulation Resistance	5,000			MOhms

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

#### Mechanical Specifications

##### Size

Length	1.55 in [39.37 mm]
Width	0.56 in [14.22 mm]
Weight	0.165 lbs [74.84 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male to TNC Male Adapter PE9445](#)



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Description	Connector 1	Connector 2
Type	TNC Male	TNC Male
Polarity	Standard	Standard
Interface Specification	MIL-STD-348	MIL-STD-348
Hex Size	9/16 in.	9/16 in.
Mating Torque	12 to 15 in-lbs [1.36 to 1.70 Nm]	12 to 15 in-lbs [1.36 to 1.70 Nm]

**Material Specifications**

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	TNC Male		TNC Male	
Contact	Beryllium Copper	Gold over Nickel 50 µin minimum	Beryllium Copper	Gold over Nickel 50 µin minimum
Insulation	PTFE		PTFE	
Body	Passivated Stainless Steel	SAE-AMS-2700	Passivated Stainless Steel	SAE-AMS-2700
Coupling Nut	Passivated Stainless Steel	SAE-AMS-2700	Passivated Stainless Steel	SAE-AMS-2700

**Environmental Specifications**

**Temperature**

Operating Range -55 to +150 deg C

**Compliance Certifications** (see [product page](#) for current document)

**Plotted and Other Data**

Notes:

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TNC Male to TNC Male Adapter from Pasternack 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.

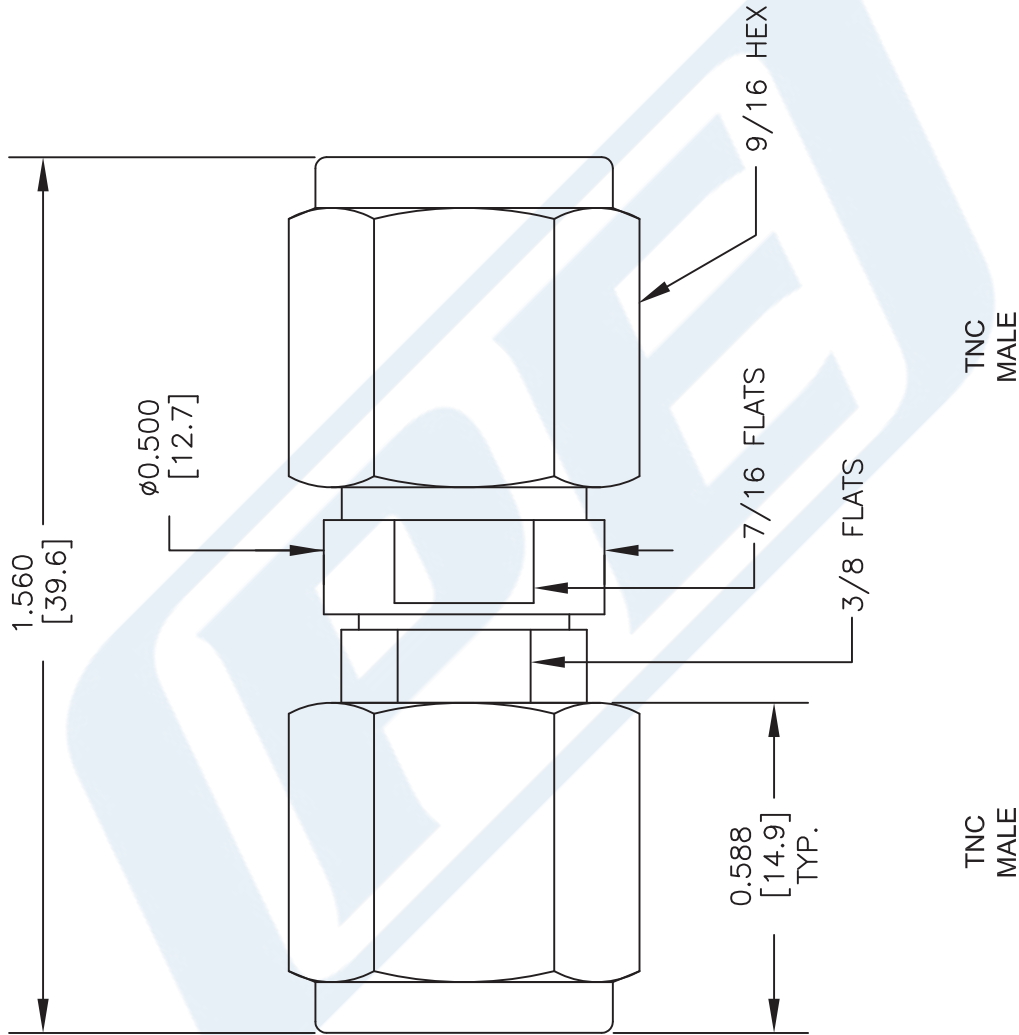
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male to TNC Male Adapter PE9445](#)

URL: <https://www.pasternack.com/tnc-male-tnc-male-straight-adapter-pe9445-p.aspx>

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. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

# PE9445 CAD Drawing

## TNC Male to TNC Male Adapter



### STANDARD TOLERANCES

.X ±0.2  
 .XX ±0.1  
 .XXX ±0.05

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES



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DWG TITLE

**PE9445**

FSCM NO. 53919

NOTES:  
 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.  
 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.  
 3. DIMENSIONS ARE IN INCHES (mm).

CAD FILE 090116

SCALE N/A

SIZE A

41742