



## TNC Female to 7/16 DIN Male Adapter

### RF Adapters Technical Data Sheet

PE91116

#### Configuration

- TNC Female Connector 1
- 7/16 DIN Male Connector 2
- 50 Ohms
- Straight Body Geometry

#### Features

- Max VSWR of 1.35:1 up to 8 GHz
- Gold Plated Beryllium Copper Contact
- 0.3µm min Gold Contact Plating

#### Applications

- Allows Connection Between Series
- General Purpose Test

#### Description

Pasternack's PE91116 TNC female to 7/16 DIN male adapter is part of our full line of RF components available for same-day shipping. Our TNC to 7/16 DIN adapter has a female to male gender configuration. PE91116 TNC female to 7/16 DIN male adapter operates to 8 GHz. The Pasternack RF adapter provides good VSWR of 1.35:1 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		8	GHz
VSWR			1.35:1	
Operating Voltage (AC)			500	Vrms
Dielectric Withstanding Voltage (AC)			1,500	Vrms

#### Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 3	3 to 6	6 to 8			GHz
VSWR, Max	1.1:1	1.25:1	1.35:1			

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

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 7/16 DIN Male Adapter PE91116](#)



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**Mechanical Specifications**

**Size**

Length	2.12 in [53.85 mm]
Width	1.26 in [32 mm]
Weight	0.271 lbs [122.92 g]

Description	Connector 1	Connector 2
Type	TNC Female	7/16 DIN Male
Polarity	Standard	Standard
Hex Size		32 mm

**Material Specifications**

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	TNC Female		7/16 DIN Male	
Contact	Beryllium Copper	Gold 0.3 µm minimum	Beryllium Copper	Gold 0.3 µm minimum
Insulation	PTFE		PTFE	
Outer Conductor	Passivated Stainless Steel 3 µm minimum			
Body			Brass	Tri-Metal 3µm minimum
Coupling Nut			Brass	Tri-Metal 3µm minimum

**Environmental Specifications**

**Temperature**

Operating Range	-40 to +120 deg C
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**Compliance Certifications** (see [product page](#) for current document)

**Plotted and Other Data**

Notes:

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TNC Female to 7/16 DIN 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.

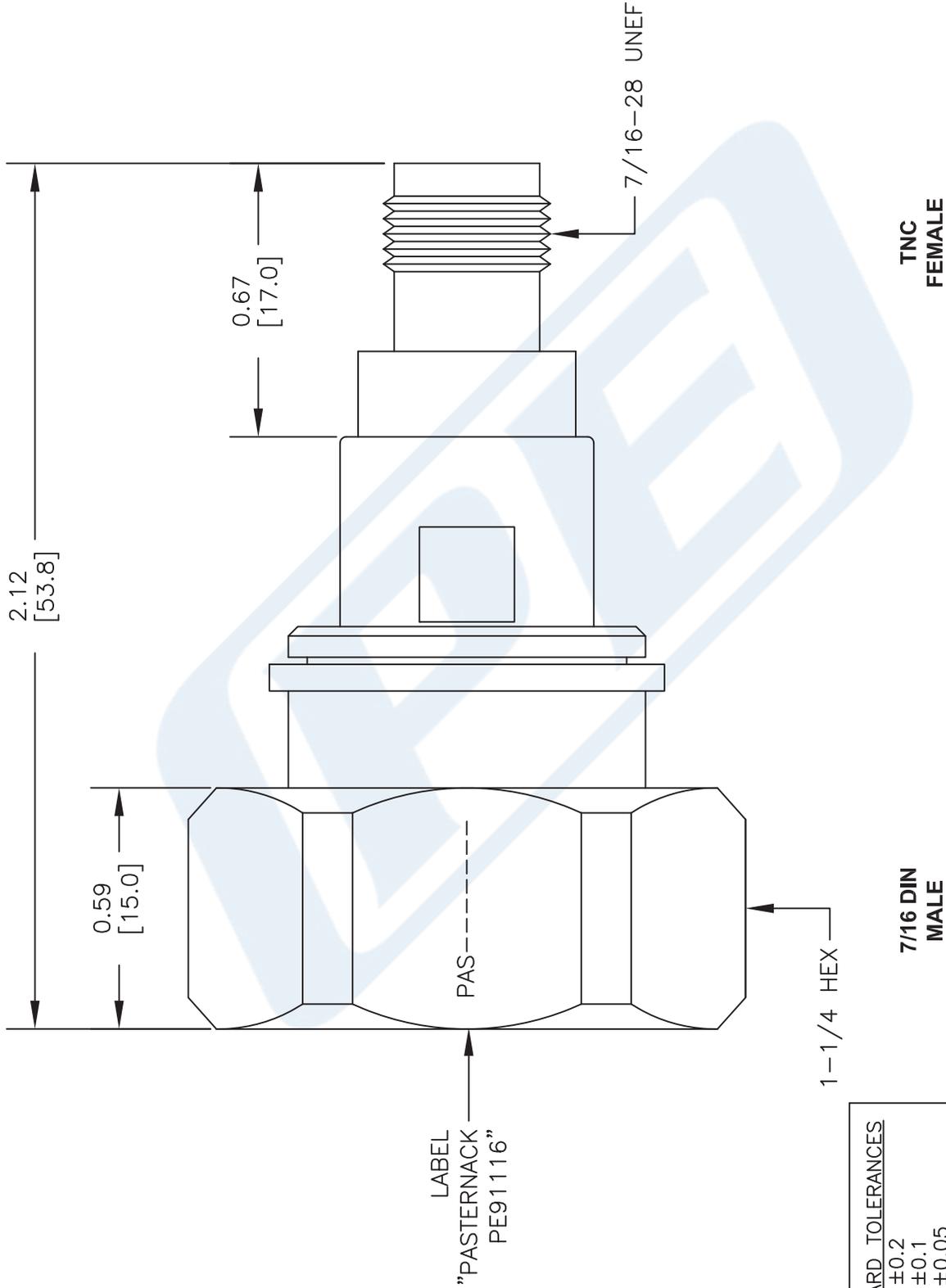
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Female to 7/16 DIN Male Adapter PE91116](#)

URL: <https://www.pasternack.com/tnc-female-7-16-male-straight-adapter-pe91116-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.

# PE91116 CAD Drawing

## TNC Female to 7/16 DIN Male Adapter



STANDARD TOLERANCES	
.X	±0.2
.XX	±0.1
.XXX	±0.05

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

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).

DWG TITLE	PE91116
FSCM NO.	53919
CAD FILE	082616
SCALE	N/A
SIZE	A
	71472

**PE PASTERNAK®**  
 THE ENGINEER'S RF SOURCE

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