



Low PIM TNC Female to TNC Female Adapter

RF Adapters Technical Data Sheet

PE91174

Configuration

- TNC Female 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

- General Purpose Test

Description

Pasternack's PE91174 Low PIM TNC female to TNC female adapter is part of our full line of RF components available for same-day shipping. Our TNC to TNC adapter has a female to female gender configuration in a Low PIM design. PE91174 TNC female to TNC female adapter operates to 6 GHz. The Pasternack RF adapter provides excellent VSWR of 1.25:1 maximum and passive intermodulation of -150 dBc 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		6	GHz
VSWR			1.25:1	
Passive Intermodulation using 2x20W tones (800MHz)			-150	dBc
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	1.14 in [28.96 mm]
Width	0.56 in [14.22 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 Female to TNC Female Adapter PE91174](#)



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Weight 0.07 lbs [31.75 g]

Description	Connector 1	Connector 2
Type	TNC Female	TNC Female
Polarity	Standard	Standard

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	TNC Female		TNC Female	
Contact	Beryllium Copper	Silver 5 µm minimum	Beryllium Copper	Silver 5 µm minimum
Insulation	PTFE		PTFE	
Outer Conductor	Brass	Tri-Metal 3µm minimum	Brass	Tri-Metal 3µm 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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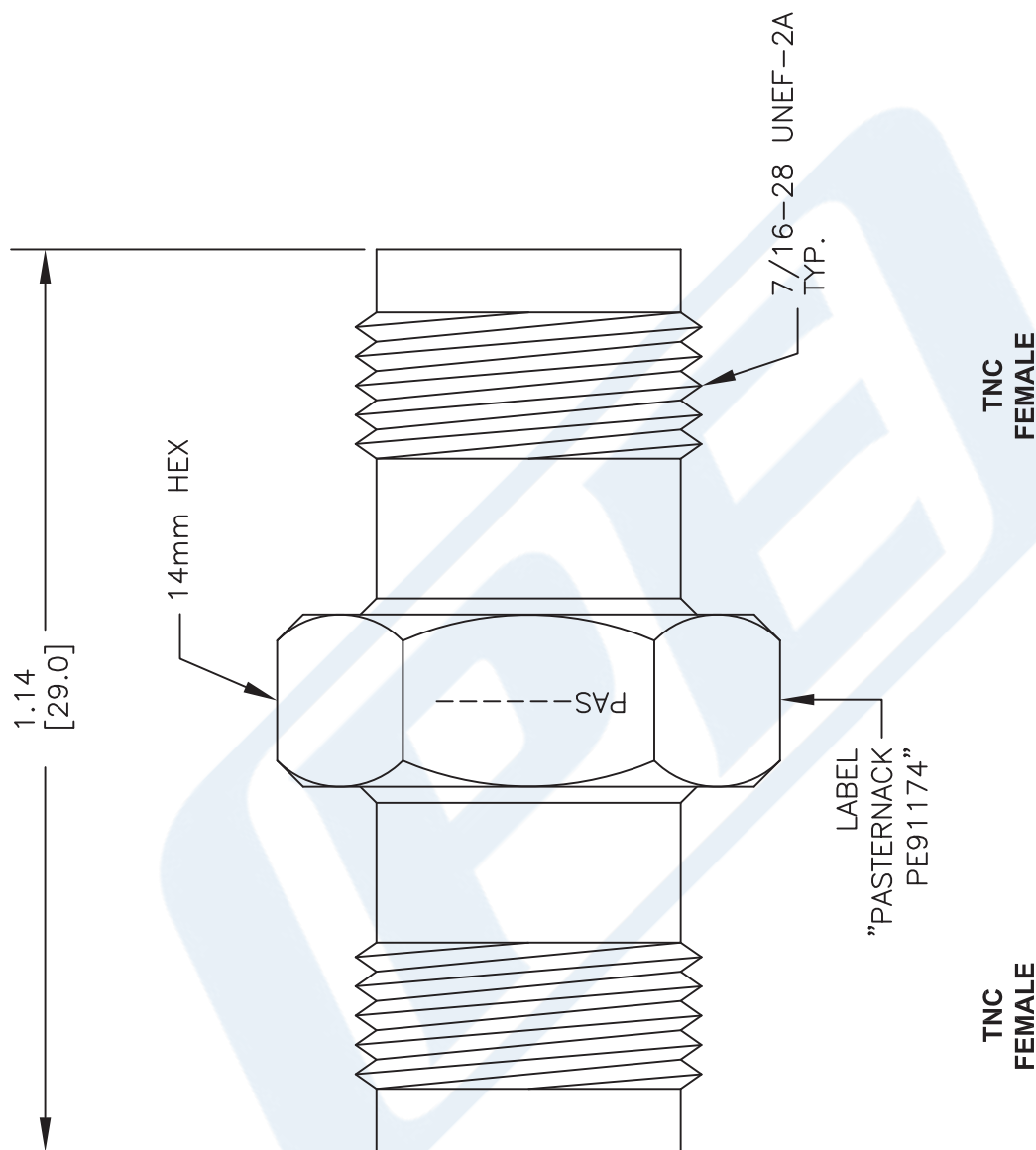
Low PIM TNC Female to TNC Female Adapter from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Low PIM TNC Female to TNC Female Adapter PE91174](https://www.pasternack.com/tnc-female-tnc-female-straight-adapter-pe91174-p.aspx)

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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.

PE91174 CAD Drawing
Low PIM TNC Female to TNC Female 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

PE91174

FSCM NO. 53919

CAD FILE 082616

SCALE N/A

SIZE A

41742

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].