



TNC Male to TNC Male Miter Right Angle Adapter, DC to 18 GHz

RF Adapters Technical Data Sheet

PE91581

Configuration

- TNC Male Connector 1
- TNC Male Connector 2
- 50 Ohm
- Miter Right Angle Body Geometry

Features

- Max VSWR of 1.3:1 up to 18 GHz
- Gold over Nickel Plated Beryllium Copper Contact

Applications

- General Purpose Test

Description

Pasternack's PE91581 TNC male to TNC male miter right angle 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. PE91581 TNC male to TNC male adapter operates to 18 GHz. The Pasternack RF adapter provides good VSWR of 1.3:1 maximum. This miter right angle TNC to TNC adapter allows for easier connections in tight spaces.

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			1.3:1	

Mechanical Specifications

Size	
Length	1.11 in [28.19 mm]
Width	0.44 in [11.18 mm]
Height	1.19 in [30.23 mm]
Weight	0.1 lbs [45.36 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 Miter Right Angle Adapter, DC to 18 GHz PE91581](#)



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

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	TNC Male		TNC Male	
Contact	Beryllium Copper	Gold over Nickel	Beryllium Copper	Gold over Nickel
Insulation	Oxide-Noryl		Oxide-Noryl	
Body	Passivated Stainless Steel		Passivated Stainless Steel	
Coupling Nut	Passivated Stainless Steel		Passivated Stainless Steel	

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

TNC Male to TNC Male Miter Right Angle Adapter, DC to 18 GHz from Pasternack 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: [TNC Male to TNC Male Miter Right Angle Adapter, DC to 18 GHz PE91581](#)

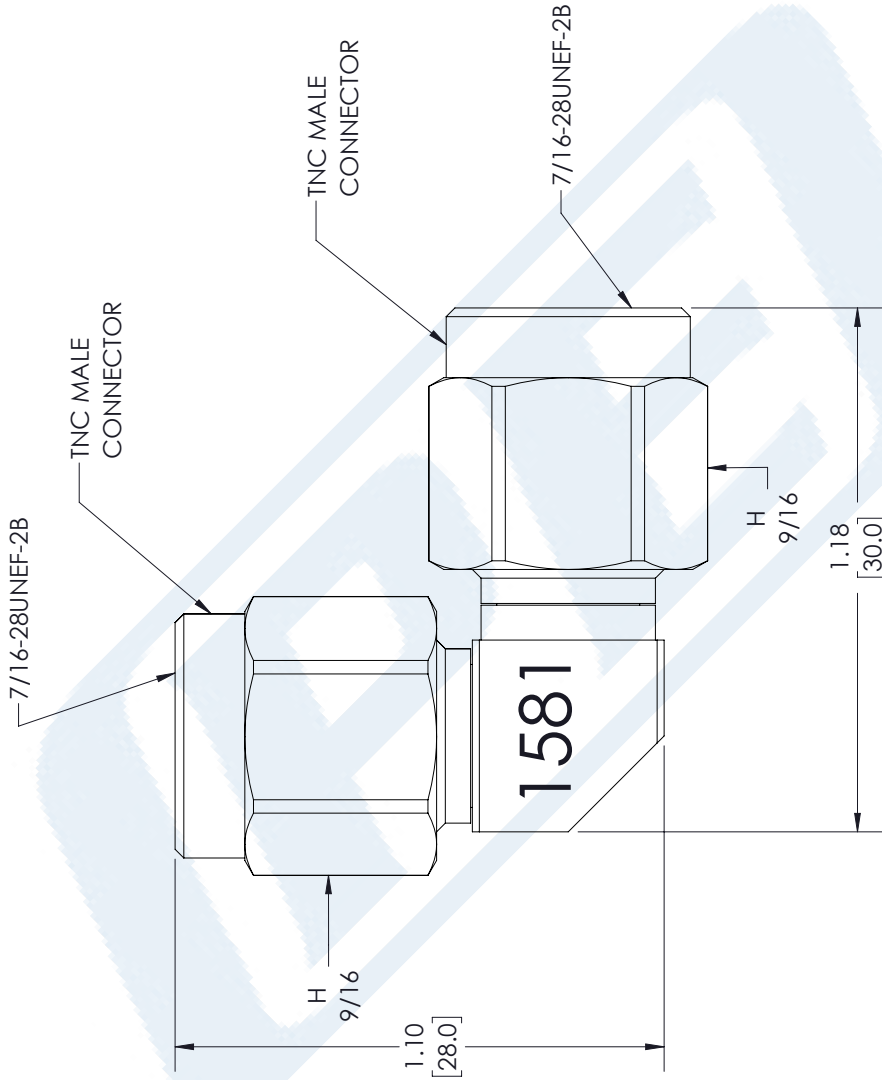
URL: <https://www.pasternack.com/tnc-plug-tnc-plug-right-angle-adapter-pe91581-p.aspx>

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.

PE91581 CAD Drawing

TNC Male to TNC Male Miter Right Angle Adapter, DC to 18 GHz

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	07/27/2022	AGANWANI



UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:

.X = ±.2	[5.08]	FRACTIONS
.XX = ±.02	[.51]	± 1/32
.XXX = ±.005	[.13]	ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:

L ≤ 12	[305]	= +1 [25] / -0
12 [305] < L ≤ 60	[1524]	= +2 [51] / -0
60 [1524] < L ≤ 120	[3048]	= +4 [102] / -0
120 [3048] < L ≤ 300	[7620]	= +6 [152] / -0
300 [7620] < L		= +5%L / -0

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.



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SHEET 1 OF 1
SCALE N/A

REV	REV	ITEM NO.	REV
A	53919	BPUCHASKI	PE91581