



## 75 Ohm TNC Male to 75 Ohm BNC Female Adapter

### RF Adapters Technical Data Sheet

PE9631

#### Configuration

- TNC Male Connector 1
- BNC Female Connector 2
- 75 Ohm
- Straight Body Geometry

#### Features

- 30 µin minimum contact plating
- Gold Plated Brass Contact

#### Applications

- Allows Connection Between Series
- General Purpose Test

#### Description

Pasternack's PE9631 75 ohm TNC male to BNC female adapter is part of our full line of RF components available for same-day shipping. Our TNC to BNC adapter has a male to female gender configuration. PE9631 TNC male to BNC female adapter operates to 500 MHz.

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		500	MHz
VSWR		1.5:1		

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

#### Mechanical Specifications

##### Size

Length	1.234 in [31.34 mm]
Width	0.59 in [14.99 mm]
Weight	0.046 lbs [20.87 g]

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

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm TNC Male to 75 Ohm BNC Female Adapter PE9631](#)



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#### Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	TNC Male		BNC Female	
Contact	Brass	Gold 30 µin minimum	Brass	Gold 30 µin minimum
Insulation	PTFE		PTFE	
Outer Conductor			Brass	Nickel 200 µin minimum
Body	Brass	Nickel 200 µin minimum		
Gasket	Silicone			
Coupling Nut	Brass	Nickel 200 µin minimum		

#### Environmental Specifications

##### Temperature

Operating Range -65 to +165 deg C

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

#### Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm TNC Male to 75 Ohm BNC Female Adapter PE9631](#)

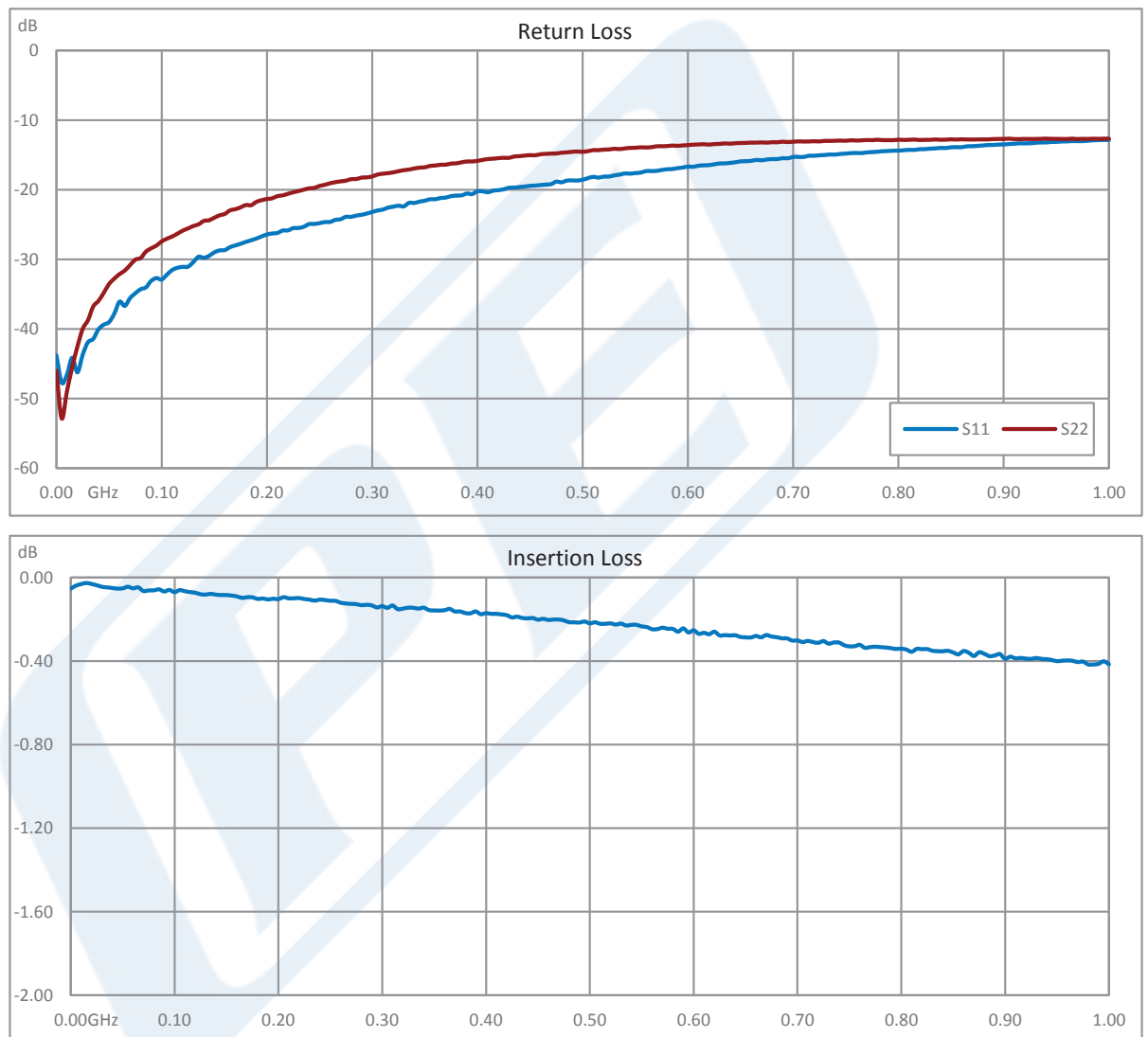


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#### Typical Performance Data



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## 75 Ohm TNC Male to 75 Ohm BNC Female Adapter

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75 Ohm TNC Male to 75 Ohm BNC Female Adapter 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.

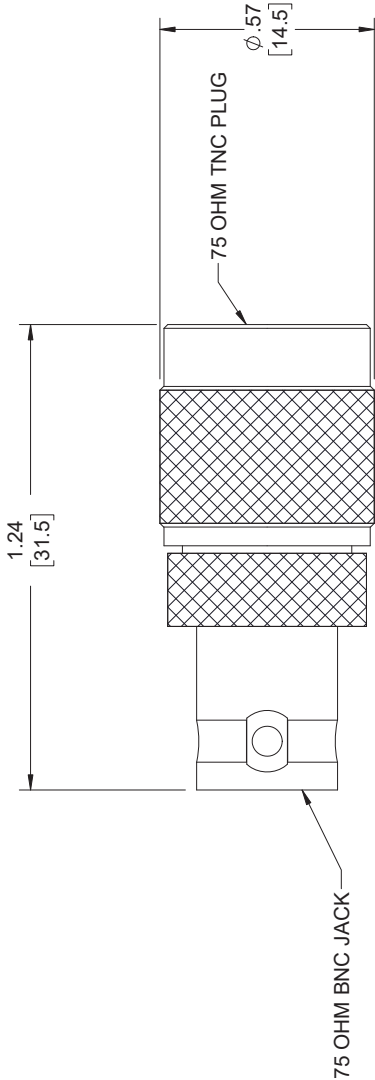
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm TNC Male to 75 Ohm BNC Female Adapter PE9631](#)

URL: <https://www.pasternack.com/tnc-male-bnc-female-straight-adapter-pe9631-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.

PE9631 CAD Drawing  
75 Ohm TNC Male to 75 Ohm BNC Female Adapter

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	02/13/20	S.ELLIS



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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Pasternack Enterprises, Inc.  
P. O. Box 16759, Irvine, CA 92623.  
Phone: 1.949.261.1920 | 1.866.727.8376  
Fax: 1.949.261.7451  
Website: [www.pasternack.com](http://www.pasternack.com)  
E-mail: [sales@pasternack.com](mailto:sales@pasternack.com)

SIZE	CAGE CODE	DRAWN BY	ITEM NO.
A	53919	DFRISIELLO	PE9631

THIRD-ANGLE PROJECTION  


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SHEET	1	OF	1
SCALE	N/A		
REV	A		

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