



TNC Female Bulkhead Mount Connector Solder Attachment for RG178, RG196 IP67 Rated

RF Connectors Technical Data Sheet

PE45132

Configuration

- TNC Female Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG178, RG196
- Bulkhead

Features

- Max. Operating Frequency 3 GHz
- Good VSWR of 1.5:1
- Gold Plated Beryllium Copper Contact

Applications

- General Purpose Test
- Rack and Panel Mount Applications
- Custom Cable Assemblies

Description

Pasternack's PE45132 TNC female bulkhead connector with solder attachment for RG178 and RG196 is part of our full line of RF components available for same-day shipping. Our TNC female connector operates up to a maximum frequency of 3 GHz and offers good VSWR of 1.5:1. This TNC bulkhead connector allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

Our TNC female bulkhead connector PE45132 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
VSWR			1.5:1	
Operating Voltage (AC)			375	Vrms

Mechanical Specifications

Size

Length	1.04 in [26.42 mm]
Width/Dia.	0.709 in [18.01 mm]
Height	0 in [0 mm]
Weight	0.058 lbs [26.31 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Female Bulkhead Mount Connector Solder Attachment for RG178, RG196 IP67 Rated PE45132](#)



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Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold
Insulation	Teflon	
Body	Brass	Nickel 100µ in. 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: [TNC Female Bulkhead Mount Connector Solder Attachment for RG178, RG196 IP67 Rated PE45132](#)

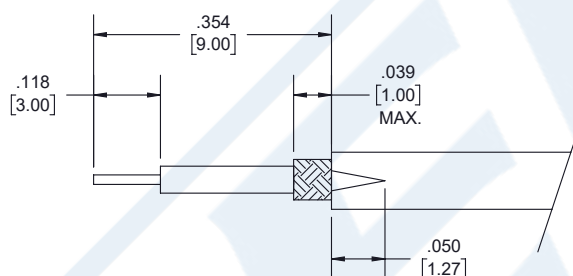


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Assembly Instruction



STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

1. STRIP CABLE TO THE DIMENSIONS SHOWN, DO NOT NICK CENTER CONDUCTOR OR BRAID.
2. SLIDE THE CLAMP NUT, O-RING, THEN THE BRAID CLAMP, ONTO THE CABLE.
3. FLARE BRAID (UNTIL FLAT) AND SLIDE INSULATION OVER DIELECTRIC.
4. INSERT CENTER CONDUCTOR FULLY INTO THE CONTACT, SOLDER, REMOVE ANY EXCESS SOLDER.
5. WITH BRAID FLARED (FLAT), INSERT CONTACT INTO THE BODY UNTIL IT SEATS. VERIFY FLARE IS IN POSITION.
6. ASSEMBLE THE BRAID CLAMP, O-RING AND CLAMP NUT AND TIGHTEN.

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TNC Female Bulkhead Mount Connector Solder Attachment for RG178, RG196 IP67 Rated 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 Female Bulkhead Mount Connector Solder Attachment for RG178, RG196 IP67 Rated PE45132](https://www.pasternack.com/tnc-female-rg178-rg196-connector-pe45132-p.aspx)

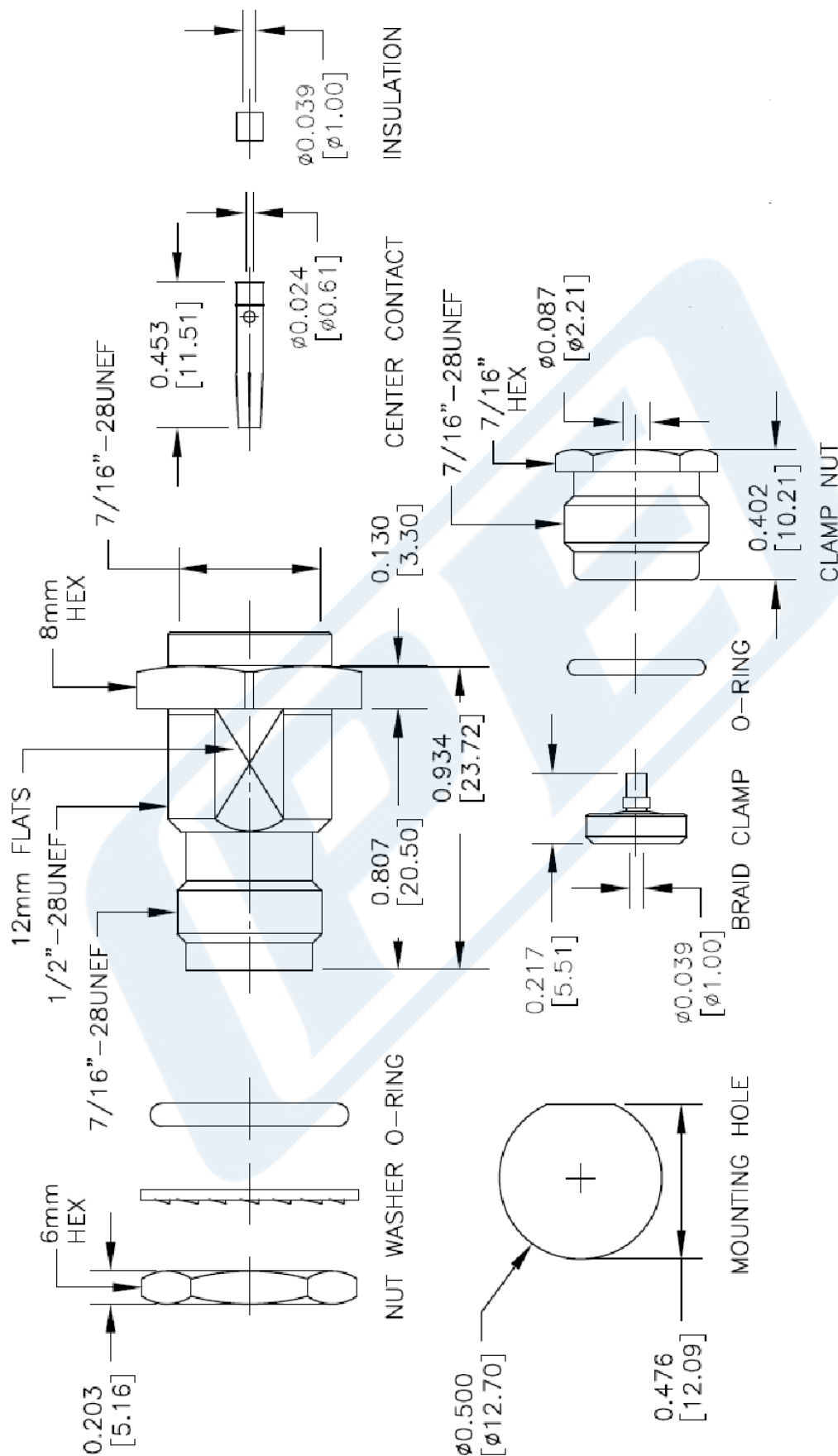
URL: <https://www.pasternack.com/tnc-female-rg178-rg196-connector-pe45132-p.aspx>

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.

PE45132 CAD Drawing

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	12/23/2021	A. GANWANI



UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS				THIRD-ANGLE PROJECTION			
TOLERANCES:				 THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION ALL RIGHTS RESERVED.			
X = ± .2 [.008] FRACTIONS .XX = ± .02 [.51] ± 1/32 .XXX = ± .005 [.13] ANGLES ± 1°				SHEET 1 OF 2			
CABLE LENGTH (L) TOLERANCES:				SCALE N/A			
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% / - 0				REV A			
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.				ITEM NO. PE45132			
SIZE A				CAGE CODE 53919		DRAWN BY K.DANG	
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