



7/16 DIN Male Right Angle Connector Clamp/Non-Solder  
Contact Attachment For 1/2 inch Helical, IP 68 Rated

TECHNICAL DATA SHEET

PE44979

**Configuration**

Connector	7/16 DIN Male
Connector Interface Type	1/2 inch Helical
Cable Attachment Method (Shield/Contact)	Clamp/Non-Solder Contact
Body Style	Right Angle

**Electrical Specifications**

Frequency Range, GHz	DC to 3
Impedance, Ohms	50
Maximum VSWR	1.15:1
Maximum Insertion Loss, dB	0.05
Maximum Operating Voltage, Volts	2,500
Maximum Passive Intermodulation (2 x 20 Watts), dBc	-160

**Mechanical Specifications**

**Temperature**

Operating Range, deg C	-55 to +155
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**Size**

Length, in [mm]	1.82 [46.23]
Width/Dia., in [mm]	1.25 [31.75]
Height, in [mm]	2.41 [61.21]

**Connector**

Type	7/16 DIN Male
Contact Material and Plating	Brass, Silver
Contact Plating Specification	5µ in. minimum
Coupling Nut Material and Plating	Brass, Nickel
Coupling Nut Plating Specification	5µ in. minimum
Hex Size, in.	1 1/4
Torque, ft-lbs [Nm]	18.439 [25]
Body Material and Plating	Brass, Tri-Metal
Body Plating Specification	2µ in. minimum
Dielectric Type	PTFE

**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

RoHS Compliant	Yes
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Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [7/16 DIN Male Right Angle Connector Clamp/Non-Solder Contact Attachment For 1/2 inch Helical, IP 68 Rated PE44979](#)

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.



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**Plotted and Other Data**

Notes:

Values at 25 °C, sea level

7/16 DIN Male Right Angle Connector Clamp/Non-Solder Contact Attachment For 1/2 inch Helical, IP 68 Rated from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic 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: [7/16 DIN Male Right Angle Connector Clamp/Non-Solder Contact Attachment For 1/2 inch Helical, IP 68 Rated PE44979](http://www.pasternack.com/7-16-male-right-angle-connector-clamp-non-solder-contact-attachment-for-1-2-inch-helical-ip-68-rated-pe44979)

URL: <http://www.pasternack.com/7-16-male-standard-1-2-inch-helical-connector-pe44979-p.aspx>

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# PE44979 CAD Drawing

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## ASSEMBLY PROCEDURES

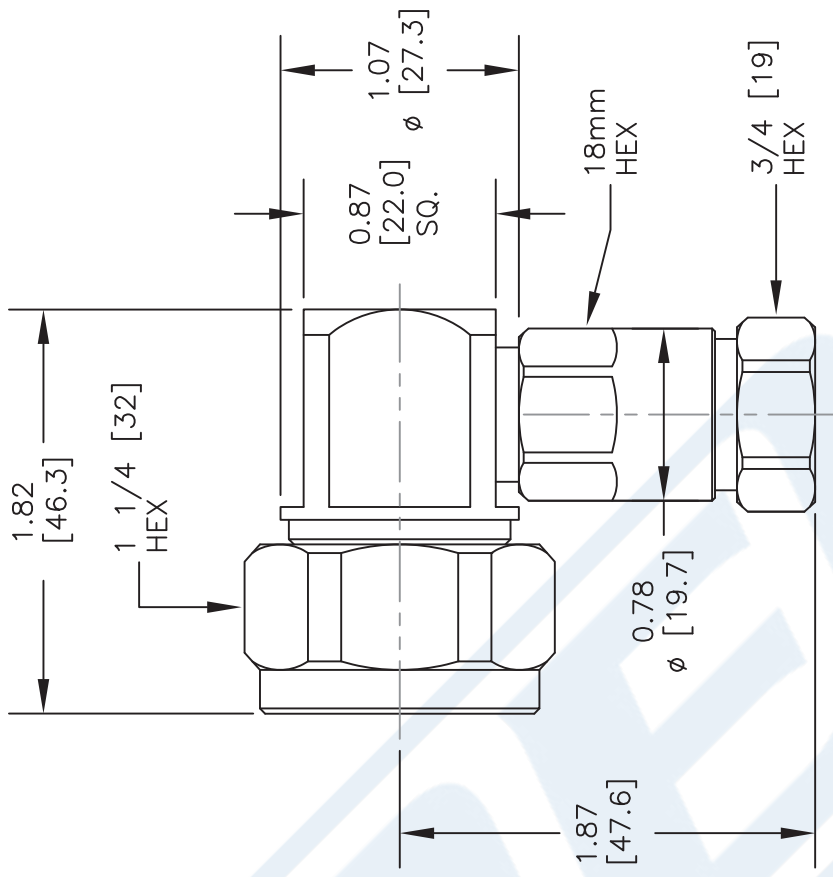
1. STRIP CABLE AS SHOWN, CHAMFER CENTER CONDUCTOR & DEBURR CABLE:  

0.630 [16.0]  
1 X 45°  
DEBURR  
0.394 [10.0]
2. PUT THE SCREW GASKET ONTO CABLE, PAY ATTENTION TO THE CORRECT DIRECTION OF THE SCREW GASKET (ANGLE DIRECTION TOWARDS THE FRONT). WIPE THE GASKET WITH GREASE.
3. SCREW CLAMP NUT ONTO CABLE UNTIL EDGES OF NUT & OUTER CONDUCTOR ARE FLAT.  

CLAMP NUT
4. SLIDE O-RING OVER THREAD AND SEAT INTO PLACE. GREASE O-RING.  

O-RING
5. HOLD CLAMP NUT STEADY & SCREW BODY TIGHTLY ONTO CABLE.  

CLAMP NUT  
BODY



DWG TITLE

**PE44979**

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].  
4. FITS MIL-C-17 AND EQUIVALENT CABLES.

**PE PASTERNAK®**  
THE ENGINEER'S RF SOURCE  
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FSCM NO. 53919

CAD FILE 120513

SCALE N/A

SIZE A

2233