



7/16 DIN Male Right Angle Connector Clamp/Non-Solder Contact
Attachment for 1/2 inch Annular, 1/2 inch Flexible, PE-1/2FAC

TECHNICAL DATA SHEET

PE44569

Configuration

| | |
|------------------------------------|--|
| Connector | 7/16 DIN Male |
| Connector Interface Type | 1/2 inch Annular, 1/2 inch Flexible, PE-1/2FAC |
| Attachment Method (Shield/Contact) | Clamp/Non-Solder Contact |
| Body Style | Right Angle |

Electrical Specifications

| | |
|---------------------------|-------------|
| Frequency Range | DC to 3 GHz |
| Impedance | 50 Ohms |
| Maximum Return Loss | 28 dB |
| Maximum Operating Voltage | 2,700 Volts |

Frequency 1

| | |
|----------------|-------------|
| Frequency | DC to 2 GHz |
| Insertion Loss | 0.05 dB |
| Power Handling | 400 Watts |

Mechanical Specifications

Temperature

| | |
|-----------------|------------------|
| Operating Range | -40 to +85 deg C |
|-----------------|------------------|

Size

| | |
|------------|---------------------|
| Length | 2.853 in [72.47 mm] |
| Width/Dia. | 1.26 in [32.00 mm] |
| Height | 1.808 in [45.92 mm] |
| Weight | 0.54 lbs [244.94 g] |

Connector

| | |
|------------------------------------|--------------------------|
| Type | 7/16 DIN Male |
| Contact Material and Plating | Beryllium Copper, Silver |
| Contact Plating Specification | 5µ in. minimum |
| Coupling Nut Material and Plating | Brass, Tri-Metal |
| Coupling Nut Plating Specification | 2µ in. minimum |
| Hex Size | 32 mm |
| Torque | 18.417 ft-lbs [24.97 Nm] |
| Body Material and Plating | Brass, Tri-Metal |
| Body Plating Specification | 2µ in. minimum |
| Dielectric Type | Teflon |

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant

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 Annular, 1/2 inch Flexible, PE-1/2FAC PE44569](#)

PE44569

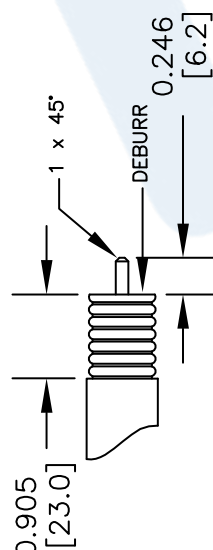
PE44569 CAD Drawing

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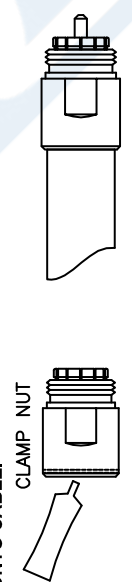


ASSEMBLY PROCEDURES

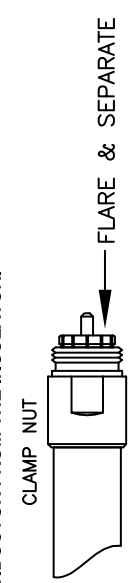
1. STRIP CABLE AS SHOWN, CHAMFER CENTER CONDUCTOR & DEBURR CABLE. SLIDE HEAT SHRINK OVER CABLE.



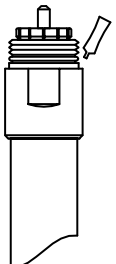
2. GREASE O-RING INSIDE OF CLAMP NUT. INSTALL CLAMP NUT ONTO CABLE.



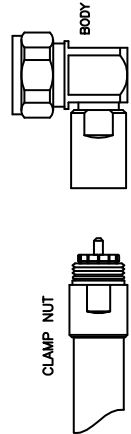
3. FLARE THE OUTER CONDUCTOR, SEPARATING THE OUTER CONDUCTOR FROM THE INSULATOR.



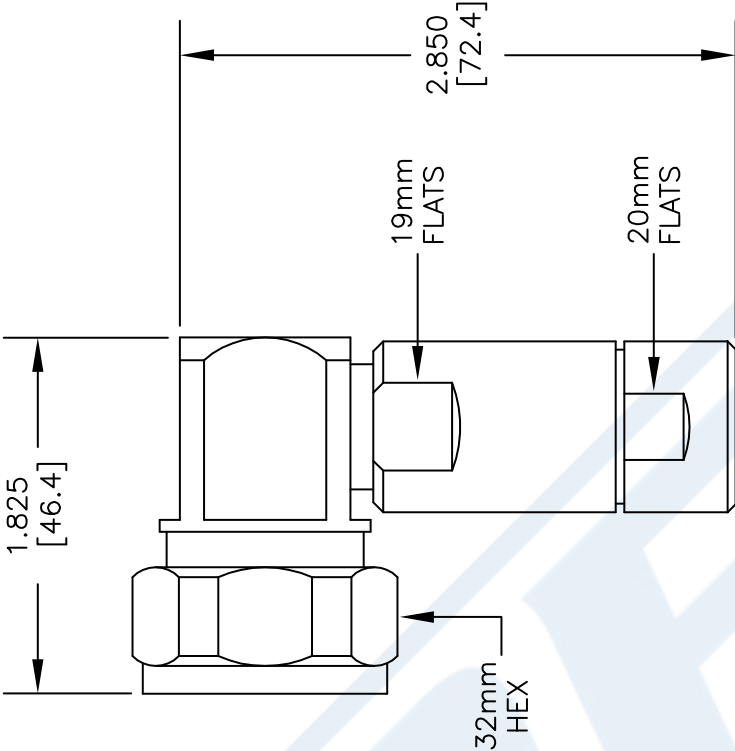
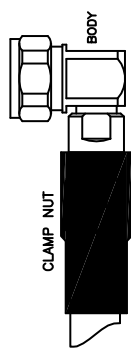
4. SLIDE O-RING OVER THREAD AND SEAT INTO PLACE. GREASE O-RING.



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



6. HEAT THE SHRINK TUBING UNTIL IT MOLDS OVER THE CABLE, AS SHOWN BELOW.



DWG TITLE

PE44569

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.

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THE ENGINEER'S RF SOURCE

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FSCM NO. 53919

SCALE N/A

CAD FILE 101514

SIZE A

150