



75 Ohm N Male Connector Clamp/Solder Attachment For RG179, RG187

RF Connectors
Technical Data Sheet

PE4513

Configuration

- N Male Connector
- 75 Ohms
- Straight Body Geometry
- Connector Interface Types: RG179, RG187

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4513 75 ohm type N male connector with clamp/solder attachment for RG179 and RG187 is part of our full line of RF components available for same-day shipping.

Our 75 ohm type N male connector PE4513 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.

Mechanical Specifications

Weight 0.096 lbs [43.54 g]

Material Specifications

| Description | Material | Plating |
|-------------|----------|---------|
| Body | Brass | Nickel |

Environmental Specifications

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 N Male Connector Clamp/Solder Attachment For RG179, RG187 PE4513](#)



75 Ohm N Male Connector Clamp/Solder Attachment For RG179, RG187

RF Connectors Technical Data Sheet

PE4513

75 Ohm N Male Connector Clamp/Solder Attachment For RG179, RG187 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 N Male Connector Clamp/Solder Attachment For RG179, RG187 PE4513](#)

URL: <https://www.pasternack.com/n-male-standard-rg179-rg187-connector-pe4513-p.aspx>

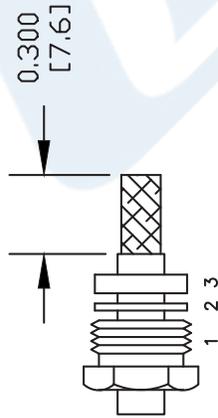
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such 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.

PE4513 CAD Drawing

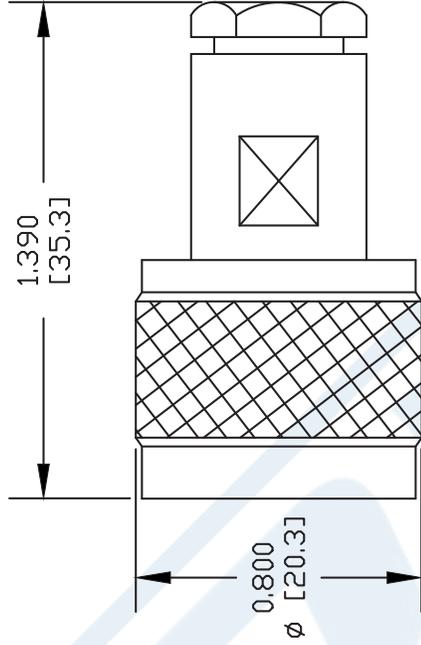
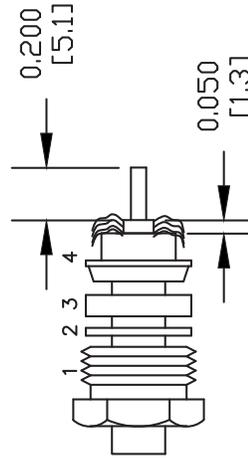
75 Ohm N Male Connector Clamp/Solder Attachment For RG179, RG187

ASSEMBLY PROCEDURES

1. SLIDE CLAMP NUT (1), WASHER (2) & GASKET (3) OVER CABLE. STRIP CABLE AS SHOWN. DO NOT NICK BRAID WHILE CUTTING JACKET. TAPER END OF BRAID TO PERMIT ASSEMBLY OF BRAID CLAMP (4). SLIDE BRAID CLAMP (4) OVER BRAID & SEAT AGAINST CABLE.



2. FORM BRAID OVER CLAMP NUT (4). TRIM BRAID BACK TO SHOULDER. CUT DIELECTRIC & CENTER CONDUCTOR TO DIMENSION SHOWN. DO NOT NICK CENTER CONDUCTOR. SOLDER CONTACT TO CENTER CONDUCTOR. REMOVE EXCESS SOLDER. DO NOT OVER HEAT DIELECTRIC. INSERT CABLE ASSEMBLY INTO BODY & TIGHTEN.



NOTE: INSERT PTFE BEFORE CONTACT. WITH LARGE OPEN END SLIDING OVER CENTER CONDUCTOR & DIELECTRIC.

DWG TITLE

PE4513

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.

FSCM NO. 53919

CAD FILE 052202

SCALE N/A

SIZE A

052202

PE PASTERNAK®

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75 Ohm TNC Female Bulkhead Mount Connector Clamp/ Solder Attachment for RG179, RG187, .480 inch D Hole

RF Connectors Technical Data Sheet

PE44176

Configuration

- TNC Female Connector
- MIL-STD-348
- 75 Ohms
- Straight Body Geometry
- RG179, RG187 Interface Type
- Clamp/Solder Attachment
- Bulkhead

Features

- Silver Plated Contact
- Contact plating according to QQ-S-365

Applications

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

Description

Pasternack's PE44176 75 ohm TNC female bulkhead connector with clamp/solder attachment for RG179 and RG187 (.480 inch D hole) is part of our full line of RF components available for same-day shipping. 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 75 ohm TNC female bulkhead connector PE44176 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.

Mechanical Specifications

Size

| | |
|------------|---------------------|
| Length | 1.13 in [28.7 mm] |
| Width/Dia. | 0.688 in [17.48 mm] |
| Weight | 0.055 lbs [24.95 g] |

Material Specifications

| Description | Material | Plating |
|-------------|----------|--------------------|
| Contact | | Silver QQ-S-365 |
| Body | Brass | Nickel QQ-N-290 |

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 Female Bulkhead Mount Connector Clamp/Solder Attachment for RG179, RG187, .480 inch D Hole PE44176](#)



75 Ohm TNC Female Bulkhead Mount Connector Clamp/
Solder Attachment for RG179, RG187, .480 inch D Hole

RF Connectors Technical Data Sheet

PE44176

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

Plotted and Other Data

Notes:

75 Ohm TNC Female Bulkhead Mount Connector Clamp/Solder Attachment for RG179, RG187, .480 inch D Hole from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

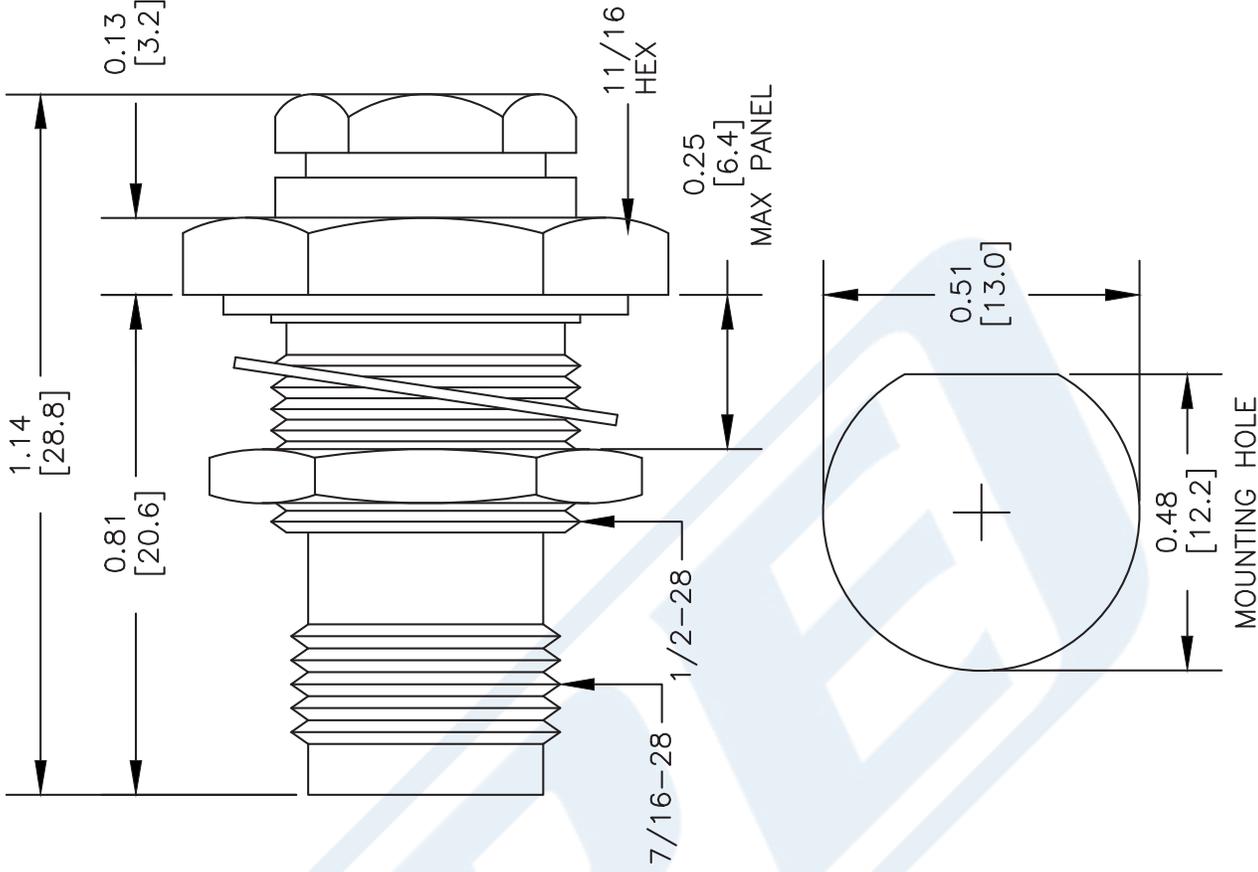
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm TNC Female Bulkhead Mount Connector Clamp/Solder Attachment for RG179, RG187, .480 inch D Hole PE44176](#)

URL: <https://www.pasternack.com/tnc-female-standard-rg179-rg187-connector-pe44176-p.aspx>

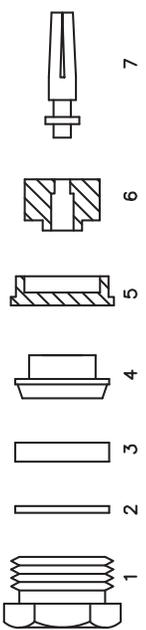
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PE44176 CAD Drawing

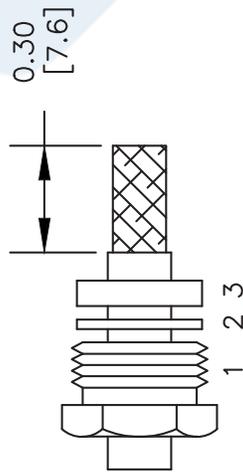
75 Ohm TNC Female Bulkhead Mount Connector Clamp/Solder
Attachment for RG179, RG187, .480 inch D Hole



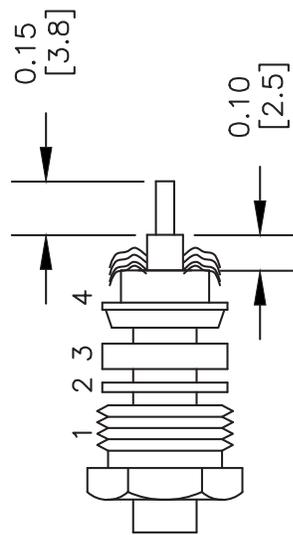
ASSEMBLY PROCEDURES



1. SLIDE CLAMP NUT (1), WASHER (2) & GASKET (3) OVER CABLE. STRIP CABLE AS SHOWN. DO NOT NICK BRAID WHILE CUTTING JACKET. TAPER END OF BRAID TO PERMIT ASSEMBLY OF BRAID CLAMP (4). SLIDE BRAID CLAMP (4) OVER BRAID & SEAT AGAINST CABLE.



2. FORM BRAID OVER CLAMP NUT (4). TRIM BRAID BACK TO SHOULDER. CUT DIELECTRIC & CENTER CONDUCTOR TO DIMENSION SHOWN. DO NOT NICK CENTER CONDUCTOR. SLIDE CLAMP (5) & INSULATOR (6) OVER DIELECTRIC. SOLDER CONTACT (7) TO CENTER CONDUCTOR. REMOVE EXCESS SOLDER. INSERT CABLE ASSEMBLY INTO BODY & TIGHTEN.



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.

DWG TITLE
PE44176

FSCM NO. 53919

CAD FILE 042210 SCALE N/A SIZE A 2233

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75 Ohm Flexible RG187 Coax Cable Single Shielded with White PTFE Jacket

RF Cables Technical Data Sheet

RG187A/U

Configuration

- Flexible Cable
- 1 Shield(s)

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|--------------------------------------|---------|--------------|---------|--------------|
| Frequency Range | DC | | 3 | GHz |
| Impedance | | 75 ±7 | | Ohms |
| Velocity of Propagation | | 70 | | % |
| Operating Voltage (AC) | | | 2,000 | Vrms |
| Dielectric Withstanding Voltage (AC) | | | 2,000 | Vrms |
| Inner Conductor DC Resistance | | | 245 | Ohms/1000ft |
| Nominal Capacitance | | 19.5 [63.98] | | pF/ft [pF/m] |

Performance by Frequency Band

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|-----------------------|------|----|----|----|----|----------|
| Frequency | 400 | | | | | MHz |
| Attenuation, Typ | 21 | | | | | dB/100ft |
| | 68.9 | | | | | dB/100m |
| Input Power (CW), Max | 1.4 | | | | | kWatts |

Mechanical Specifications

| | |
|----------|-------------------------|
| Diameter | 0.102 in [2.59 mm] |
| Weight | 0.02 lbs/ft [0.03 Kg/m] |

Construction Specifications

| Description | Material and Plating | Diameter |
|-----------------|--------------------------------------|-------------------|
| Inner Conductor | Copper Clad Steel, Silver, 7 Strands | 0.012 in [0.3 mm] |
| Conductor Type | Stranded | |
| Dielectric | PTFE | 0.063 in [1.6 mm] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm Flexible RG187 Coax Cable Single Shielded with White PTFE Jacket RG187A/U](#)

75 Ohm Flexible RG187 Coax Cable Single Shielded with White PTFE Jacket

RF Cables Technical Data Sheet

RG187A/U

| | | |
|--------------|----------------------------|--------------------|
| First Shield | Silver Plated Copper Braid | 0.081 in [2.06 mm] |
| Jacket | PTFE, White | 0.102 in [2.59 mm] |

Environmental Specifications

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

Plotted and Other Data

Notes:

75 Ohm Flexible RG187 Coax Cable Single Shielded with White PTFE Jacket 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.

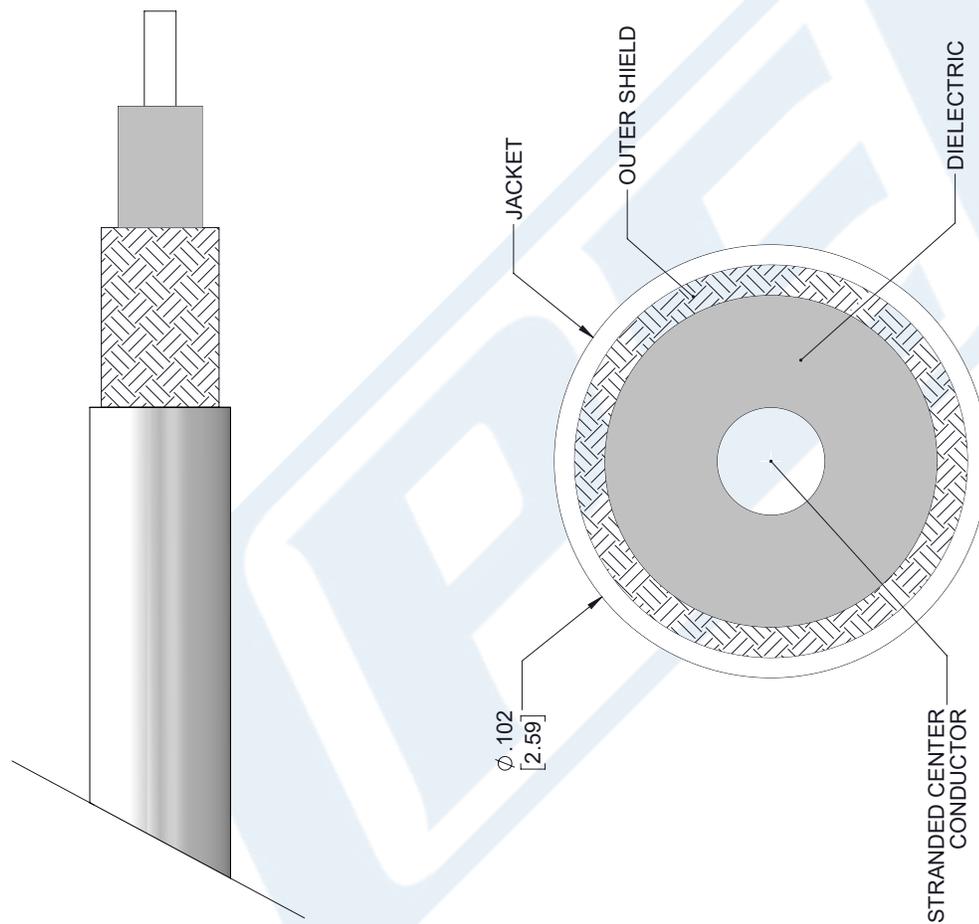
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm Flexible RG187 Coax Cable Single Shielded with White PTFE Jacket RG187A/U](#)

URL: <https://www.pasternack.com/flexible-0.110-rg187-75-ohm-coax-cable-ptfe-jacket-rg187a-u-p.aspx>

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RG187A/U CAD Drawing

75 Ohm Flexible RG187 Coax Cable Single Shielded with White PTFE Jacket



SECTION VIEW

STANDARD TOLERANCES

- .X ±0.2
- .XX ±0.01
- .XXX ±0.005

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES



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DWG TITLE
RG187A/U

CAGE CODE **53919**

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SCALE N/A

SIZE A

7361