



## 75 Ohm MCX Plug Connector Crimp/Solder Attachment for RG179, RG187

### RF Connectors Technical Data Sheet

**PE44298**

#### Configuration

- MCX Plug Connector
- 75 Ohms
- Straight Body Geometry
- RG179, RG187 Interface Type
- Crimp/Solder Attachment

#### Features

- Max. Operating Frequency 1,000 MHz
- Good VSWR of 1.3:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE44298 75 ohm MCX plug connector with crimp/solder attachment for RG179 and RG187 is part of our full line of RF components available for same-day shipping. Our MCX plug connector operates up to a maximum frequency of 1,000 MHz and offers good VSWR of 1.3:1.

Our 75 ohm MCX plug connector PE44298 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      |         | 1,000   | MHz   |
| VSWR                   |         |         | 1.3:1   |       |
| Operating Voltage (AC) |         |         | 250     | Vrms  |

#### Mechanical Specifications

##### Size

|            |                     |
|------------|---------------------|
| Length     | 0.808 in [20.52 mm] |
| Width/Dia. | 0.235 in [5.97 mm]  |
| Weight     | 0.009 lbs [4.08 g]  |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm MCX Plug Connector Crimp/Solder Attachment for RG179, RG187 PE44298](#)



75 Ohm MCX Plug Connector Crimp/Solder  
Attachment for RG179, RG187

RF Connectors Technical Data Sheet

PE44298

**Material Specifications**

| Description | Material | Plating                |
|-------------|----------|------------------------|
| Contact     | Brass    | Gold<br>30 µin minimum |
| Insulation  | PTFE     |                        |
| Body        | Brass    | Gold<br>3 µin minimum  |

**Environmental Specifications**

**Temperature**

Operating Range -55 to +155 deg C

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

**Plotted and Other Data**

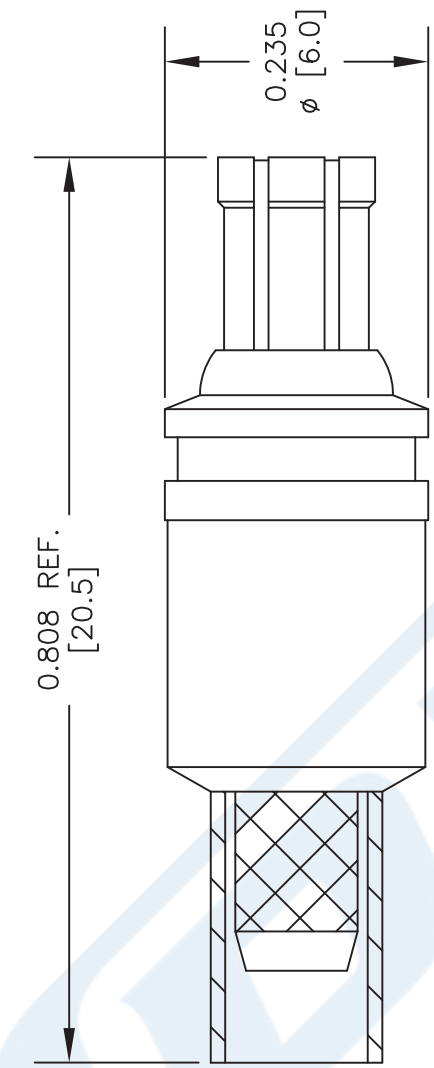
Notes:

75 Ohm MCX Plug Connector Crimp/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% 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 MCX Plug Connector Crimp/Solder Attachment for RG179, RG187 PE44298](#)

URL: <https://www.pasternack.com/mcx-plug-standard-rg179-rg187-connector-pe44298-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.



STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

1. SLIDE FERRULE ONTO CABLE; STRIP CABLE AS SHOWN & TIN CENTER CONDUCTOR.
2. INSERT DIELECTRIC AND CENTER CONDUCTOR INTO BODY. SOLDER CENTER CONDUCTOR TO CONTACT THROUGH HOLE IN BODY. REMOVE EXCESS SOLDER. SLIDE FERRULE FORWARD & CRIMP.

CRIMP SIZE REQUIRED

FERRULE: .128" HEX CRIMP TOOL

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DWG TITLE  
**PE44298**

- 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.

|            |                |                 |           |        |      |
|------------|----------------|-----------------|-----------|--------|------|
| CAD REV. A | FSCM NO. 53919 | CAD FILE 090612 | SCALE N/A | SIZE A | 2233 |
|------------|----------------|-----------------|-----------|--------|------|



## 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<br>QQ-S-365 |
| Body        | Brass    | Nickel<br>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.

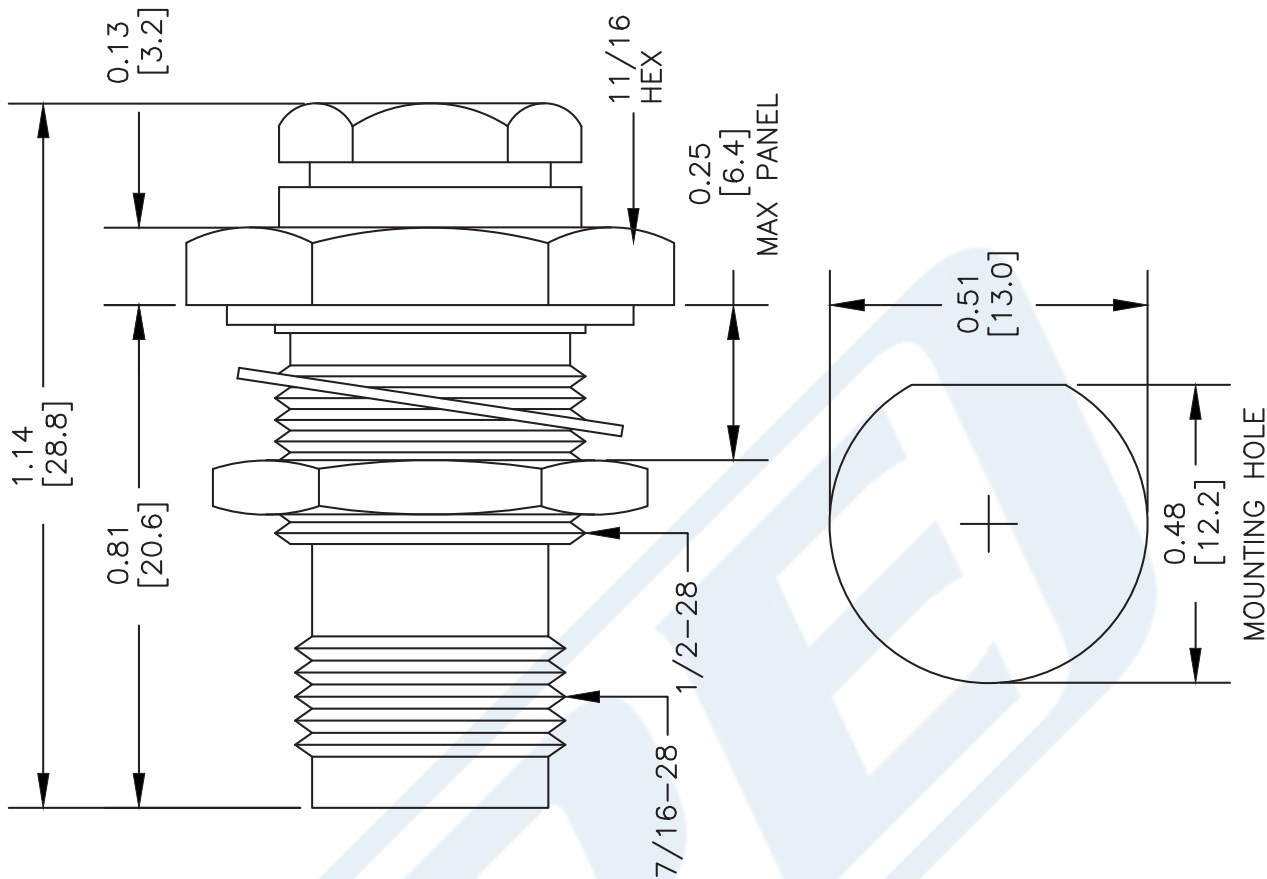
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm TNC Female Bulkhead Mount Connector Clamp/Solder Attachment for RG179, RG187, .480 inch D Hole PE44176](#)

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

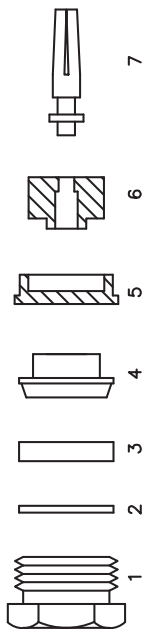
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# PE44176 CAD Drawing

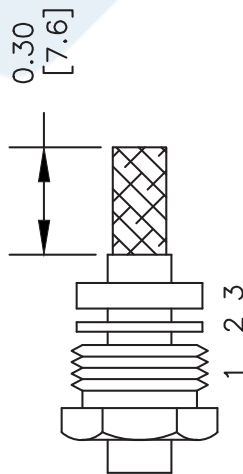
75 Ohm TNC Female Bulkhead Mount Connector Clamp/Solder  
Attachment for RG179, RG187, .480 inch D Hole



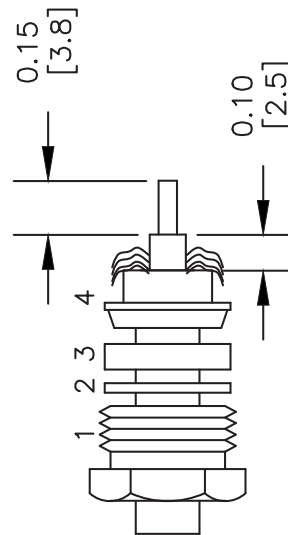
## ASSEMBLY PROCEDURES



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 CETER CONDUCTOR. REMOVE EXCESS SOLDER. INSERT CABLE ASSEMBLY INTO BODY & TIGHTEN.



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DWG TITLE

PE44176

NOTES:  
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3. DIMENSIONS ARE IN INCHES [mm].  
4. FITS MIL-C-17 AND EQUIVALENT CABLES.

FSCM NO. 53919

CAD FILE 042210

SCALE N/A

SIZE A

2233



## 75 Ohm Flexible RG179 Coax Cable Single Shielded with Tan FEP Jacket

### RF Cables Technical Data Sheet

**RG179B/U**

#### Configuration

- Flexible Cable
- 1 Shield(s)

#### Electrical Specifications

| Description             | Minimum | Typical      | Maximum | Units        |
|-------------------------|---------|--------------|---------|--------------|
| Frequency Range         | DC      |              | 3       | GHz          |
| Impedance               |         | 75           |         | Ohms         |
| Velocity of Propagation |         | 70           |         | %            |
| Operating Voltage (AC)  |         |              | 900     | Vrms         |
| Nominal Capacitance     |         | 19.4 [63.65] |         | pF/ft [pF/m] |

#### Performance by Frequency Band

| Description      | F1    | F2    | F3    | F4 | F5 | Units    |
|------------------|-------|-------|-------|----|----|----------|
| Frequency        | 100   | 400   | 1,000 |    |    | MHz      |
| Attenuation, Typ | 9.06  | 18.4  | 30    |    |    | dB/100ft |
|                  | 29.72 | 60.37 | 98.43 |    |    | dB/100m  |

#### Mechanical Specifications

|                             |                         |
|-----------------------------|-------------------------|
| Diameter                    | 0.1 in [2.54 mm]        |
| Weight                      | 0.01 lbs/ft [0.01 Kg/m] |
| Min. Bend Radius (Repeated) | 0.4 in [10.16 mm]       |

#### 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] |
| First Shield    | Silver Plated Copper Braid           | 0.08 in [2.03 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 RG179 Coax Cable Single Shielded with Tan FEP Jacket RG179B/U](#)

## 75 Ohm Flexible RG179 Coax Cable Single Shielded with Tan FEP Jacket

### RF Cables Technical Data Sheet

RG179B/U

|        |          |                  |
|--------|----------|------------------|
| Jacket | FEP, Tan | 0.1 in [2.54 mm] |
|--------|----------|------------------|

#### Environmental Specifications

##### Temperature

Operating Range -55 to +200 deg C

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

#### Plotted and Other Data

Notes:

75 Ohm Flexible RG179 Coax Cable Single Shielded with Tan FEP 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 RG179 Coax Cable Single Shielded with Tan FEP Jacket RG179B/U](#)

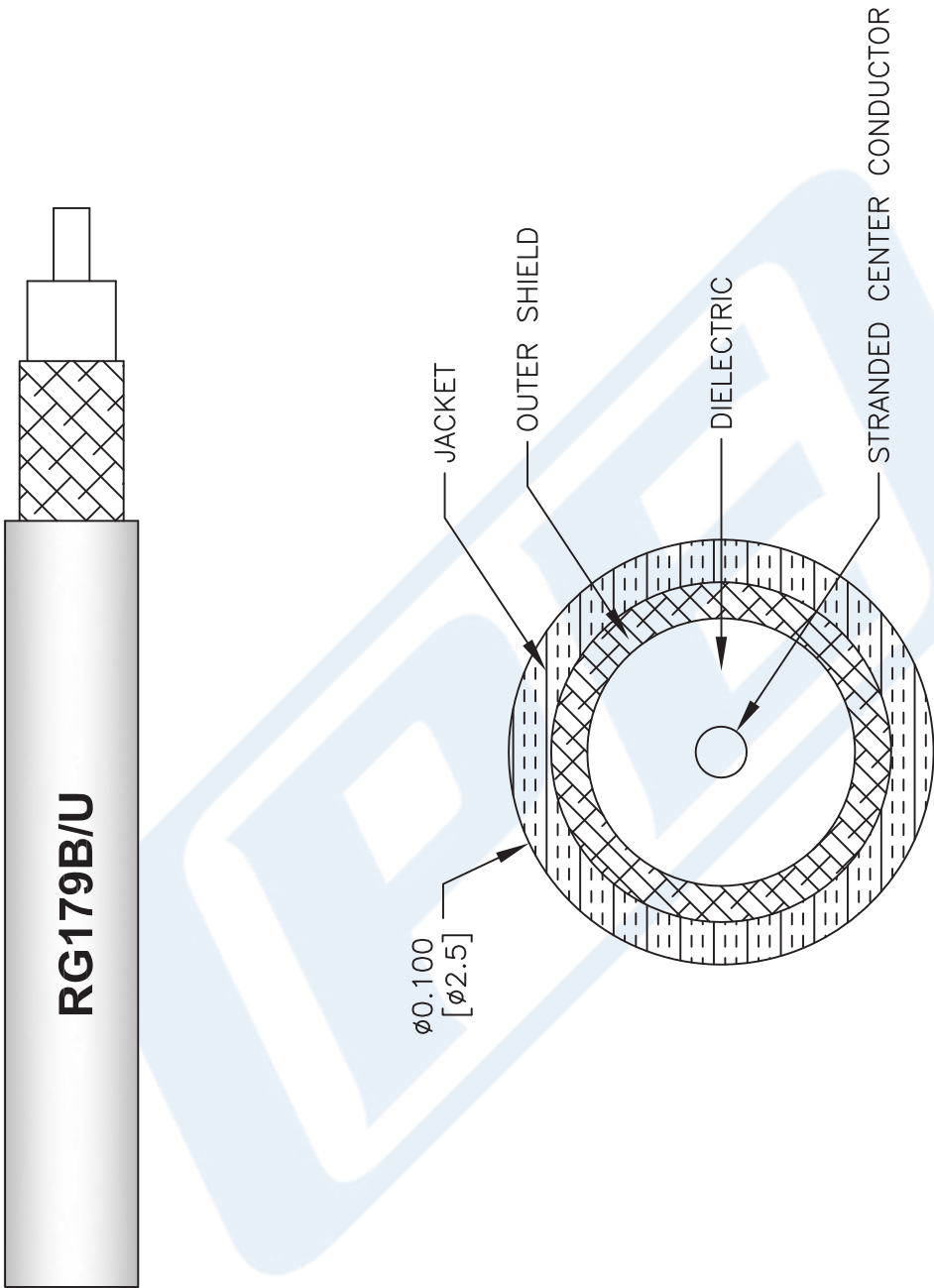
URL: <https://www.pasternack.com/flexible-0.100-rg179-75-ohm-coax-cable-fep-jacket-rg179b-u-p.aspx>

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# RG179B/U CAD Drawing

75 Ohm Flexible RG179 Coax Cable Single Shielded with Tan FEP Jacket



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 3. DIMENSIONS ARE IN INCHES [mm].

|                |          |
|----------------|----------|
| DWG TITLE      | RG179B/U |
| FSCM NO. 53919 |          |



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