



TNC Male Connector Clamp/Solder Attachment
for RG58, RG55, RG141, RG142, RG223, RG400,
RG303, PE-C195, PE-P195, LMR-195

RF Connectors Technical Data Sheet

PE4067

Configuration

- TNC Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195

Features

- Max. Operating Frequency 6 GHz
- Good VSWR of 1.5:1
- Gold Plated Brass Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4067 TNC male connector with clamp/solder attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195 and LMR-195 is part of our full line of RF components available for same-day shipping. Our TNC male connector operates up to a maximum frequency of 6 GHz and offers good VSWR of 1.5:1.

Our TNC male connector PE4067 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 | | 6 | GHz |
| VSWR | | | 1.5:1 | |
| Operating Voltage (AC) | | | 500 | Vrms |

Mechanical Specifications

| | |
|-------------|---------------------|
| Size | |
| Length | 1.06 in [26.92 mm] |
| Width/Dia. | 0.571 in [14.50 mm] |
| Weight | 0.046 lbs [20.87 g] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male Connector Clamp/Solder Attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195 PE4067](#)



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RF Connectors Technical Data Sheet

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Material Specifications

| Description | Material | Plating |
|--------------|----------|---------------------------|
| Contact | Brass | Gold |
| Insulation | PTFE | |
| Body | Brass | Nickel 100 µin minimum |
| Coupling Nut | Brass | Nickel 100 µin minimum |

Mechanical Specification Notes:

When attaching the connector to the cable use a clamp torque value of 26 to 30 in-lbs [2.94 to 3.39 Nm]

Environmental Specifications

Temperature

Operating Range -65 to +165 deg C

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

Plotted and Other Data

Notes:

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RF Connectors
Technical Data Sheet

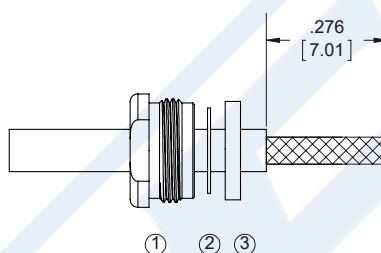


PE4067

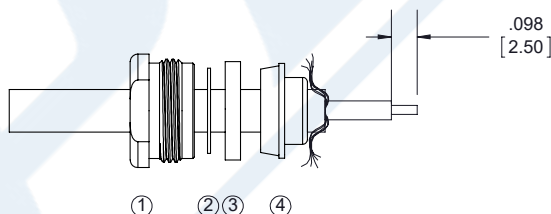
Assembly Instruction

ASSEMBLY PROCEDURES

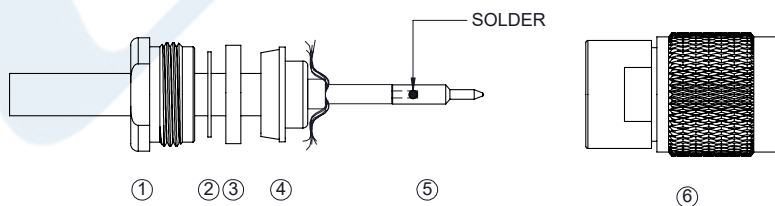
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2. SLIDE BRAID CLAMP ④ OVER BRAID & SEAT AGAINST CABLE. FORM BRAID OVER CLAMP NUT. TRIM BRAID BACK TO SHOULDER. CUT DIELECTRIC & CENTER CONDUCTOR TO DIMENSION SHOWN. DO NOT NICK CENTER CONDUCTOR.



3. SOLDER CONTACT ⑤ TO CENTER CONDUCTOR. REMOVE EXCESS SOLDER. DO NOT OVER HEAT DIELECTRIC. INSERT CABLE ASSEMBLY INTO BODY ⑥ & TIGHTEN.



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**RF Connectors
Technical Data Sheet**

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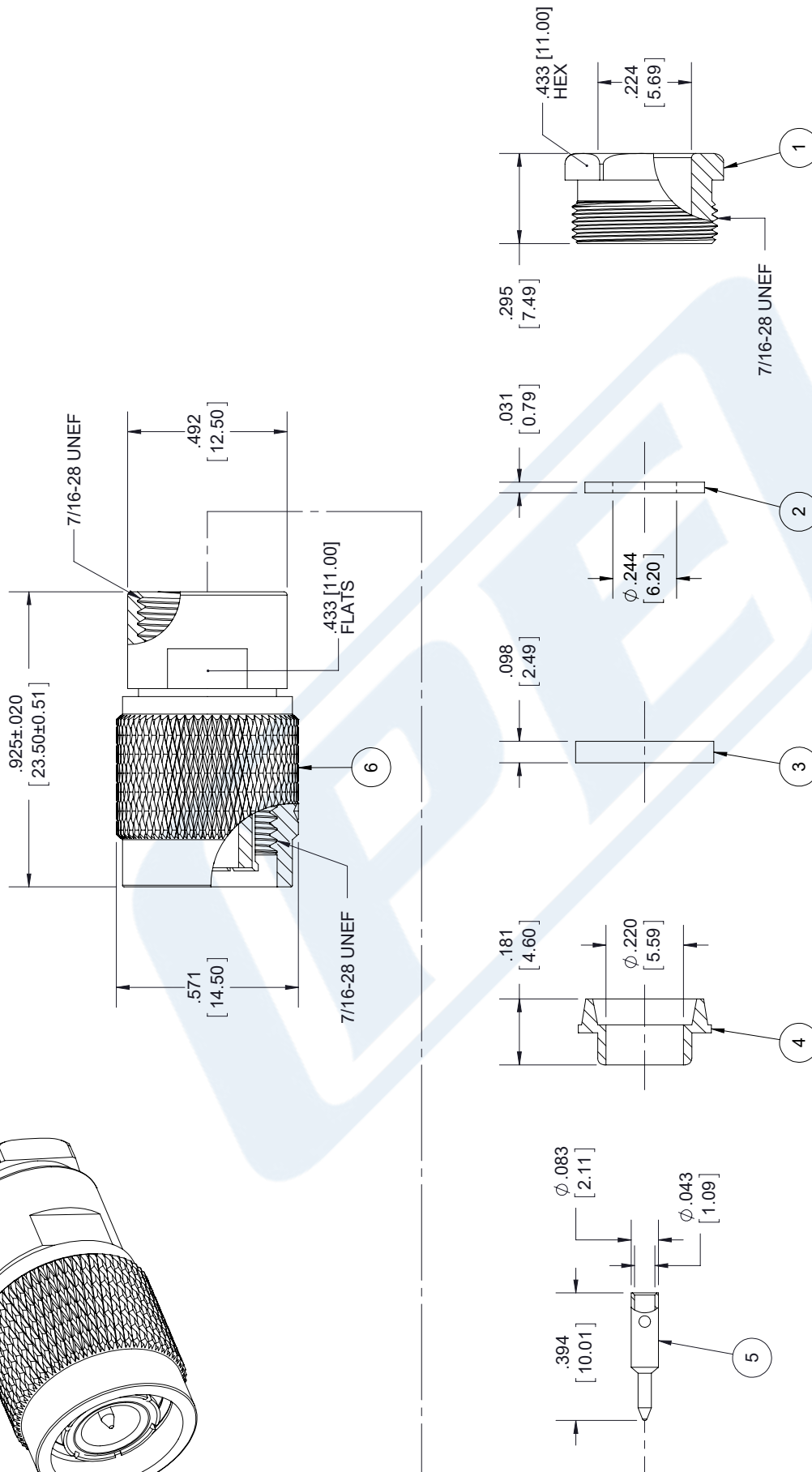
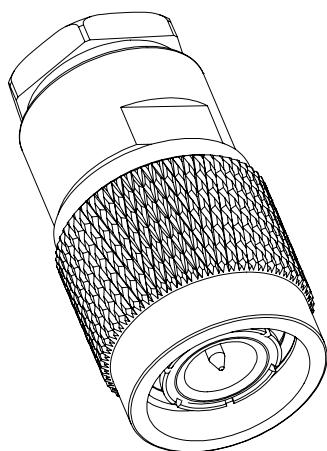
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PE4067 CAD Drawing

TNC Male Connector Clamp/Solder Attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195



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

PE4067

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CAGE CODE 53919

CAD FILE 092817

SCALE N/A

SIZE A

7361



TNC Male Connector Clamp/Solder Attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195

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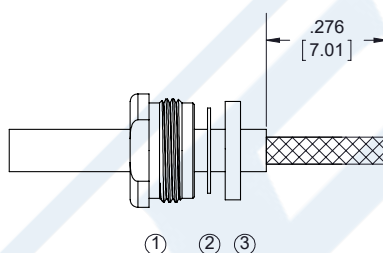


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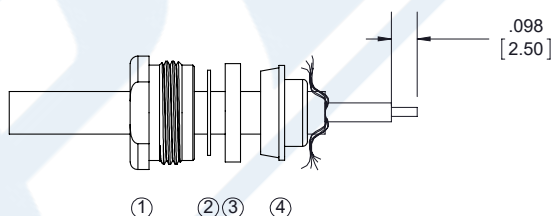
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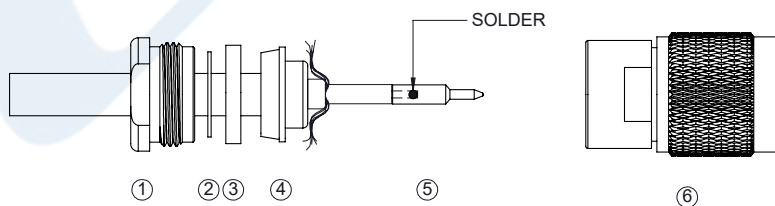
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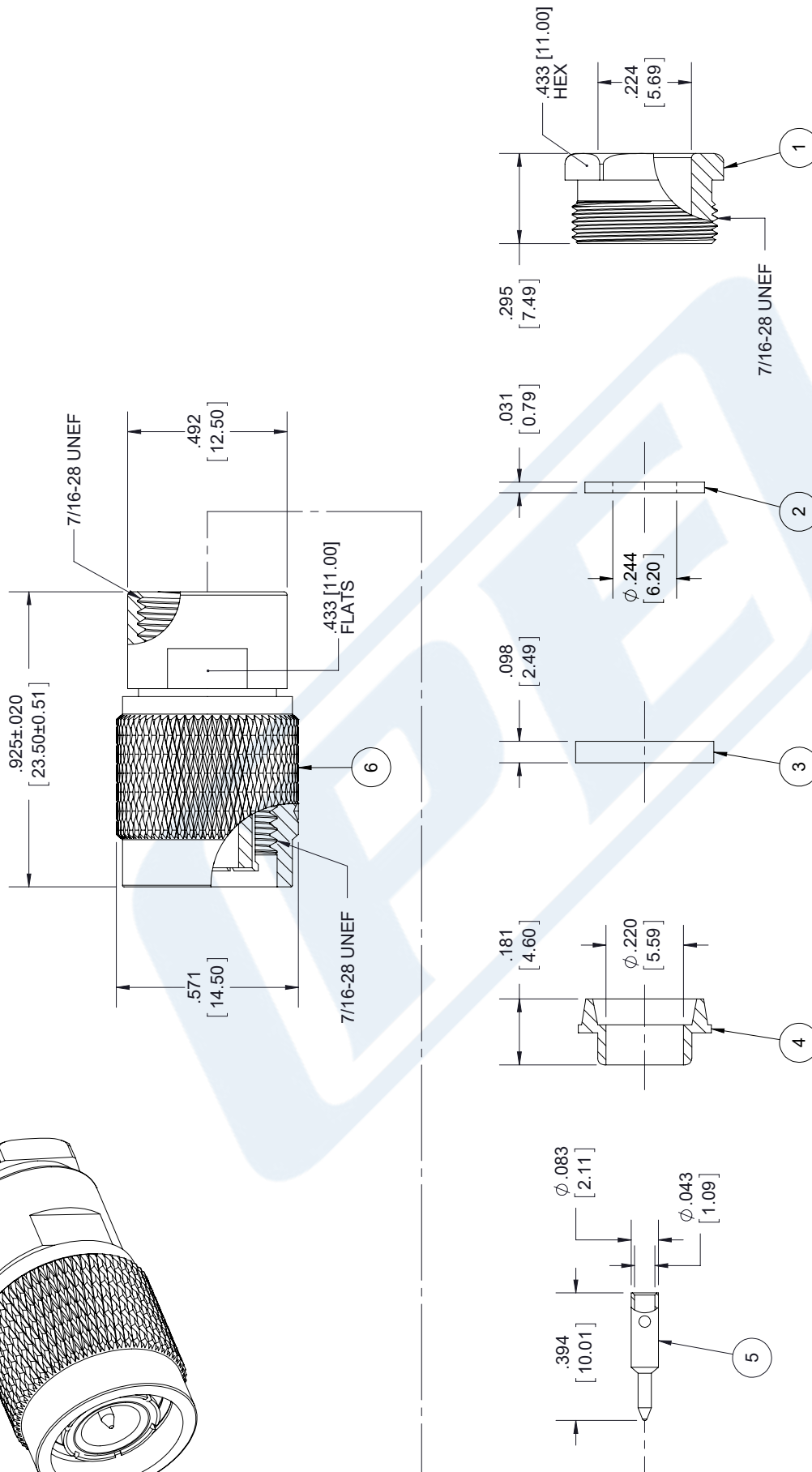
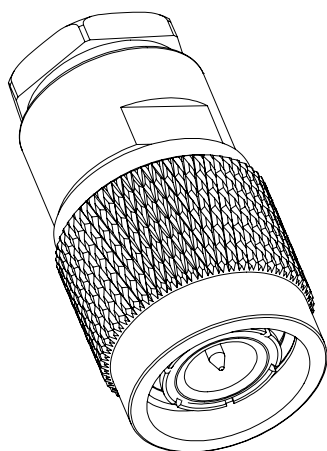
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PE4067 CAD Drawing

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CAGE CODE 53919

CAD FILE 092817

SCALE N/A

SIZE A

7361



Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket

TECHNICAL DATA SHEET

RG142B/U

Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket

Configuration

| | |
|--------------------------------------|--|
| Inner Conductor Material and Plating | Copper Clad Steel, Silver |
| Dielectric Type | PTFE |
| Shield Materials | Silver Plated Copper Braid, Silver Plated Copper Braid |
| Jacket Material and Color | FEP, Tan |

Electrical Specifications

| | |
|----------------------------------|--------------|
| Impedance, Ohms | 50 |
| Velocity of Propagation, % | 69.2 |
| Maximum Operating Frequency, GHz | 8 |
| RF Shielding, dB | 90 |
| Capacitance, pF/ft [pF/m] | 29.4 [96.46] |
| Maximum Operating Voltage, Volts | 1,900 |

Electrical Specifications by Frequency

Frequency 1

| | |
|---------------------------------|------------|
| Frequency, MHz | 100 |
| Attenuation, dB/100ft [dB/100m] | 3.9 [12.8] |

Frequency 2

| | |
|---------------------------------|------------|
| Frequency, MHz | 1000 |
| Attenuation, dB/100ft [dB/100m] | 13 [42.65] |

Frequency 3

| | |
|---------------------------------|--------------|
| Frequency, GHz | 3 |
| Attenuation, dB/100ft [dB/100m] | 23.8 [78.08] |

Frequency 4

| | |
|---------------------------------|-------------|
| Frequency, GHz | 5 |
| Attenuation, dB/100ft [dB/100m] | 36 [118.11] |

Mechanical Specifications

Temperature

| | |
|------------------------|-------------|
| Operating Range, deg C | -55 to +200 |
|------------------------|-------------|

Inner Conductor

| | |
|-------------------|-------------------|
| Number of Strands | 1 |
| Material | Copper Clad Steel |
| Plating | Silver |
| Diameter, in [mm] | 0.037 [0.94] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket RG142B/U](#)

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Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket

TECHNICAL DATA SHEET

RG142B/U

Dielectric:

| | |
|-------------------|--------------|
| Type | PTFE |
| Diameter, in [mm] | 0.116 [2.95] |

Shield:

| | |
|-------------------|----------------------------|
| Number of | 2 |
| Material 1 | Silver Plated Copper Braid |
| Material 2 | Silver Plated Copper Braid |
| Diameter, in [mm] | 0.156 [3.96] |

Jacket:

| | |
|---------------------------------------|---------------|
| Material | FEP |
| Diameter, in [mm] | 0.195 [4.95] |
| Color | Tan |
| One Time Minimum Bend Radius, in [mm] | 0.984 [24.99] |
| Repeated Minimum Bend Radius, in [mm] | 2 [50.8] |
| Weight, lbs/ft [Kg/m] | 0.046 [0.07] |

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

| | |
|----------------|-----|
| RoHS Compliant | Yes |
|----------------|-----|

Plotted and Other Data

| | |
|--------|----------------------------|
| Notes: | Values at 25 °C, sea level |
|--------|----------------------------|

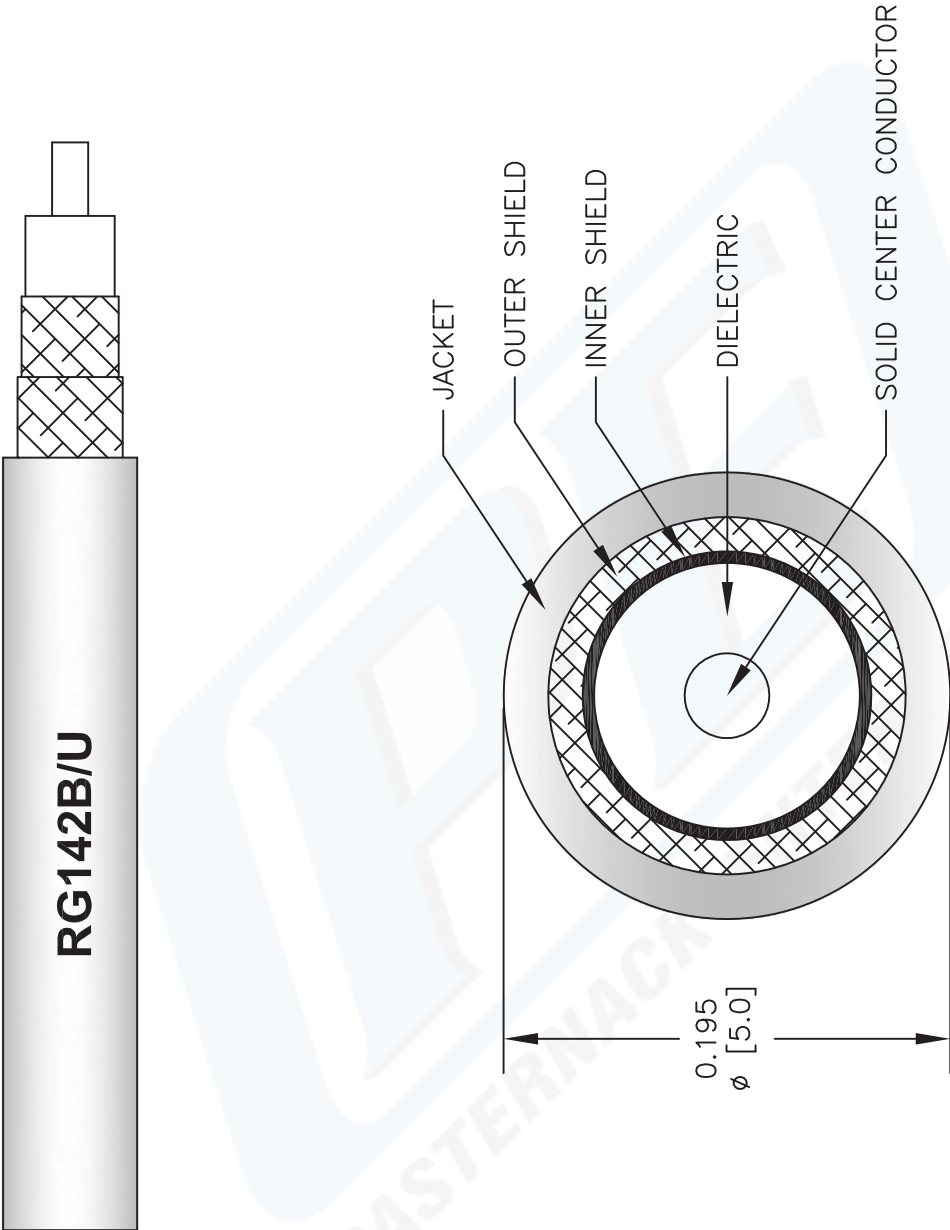
URL: <http://www.pasternack.com/flexible-0.195-rg142-50-ohm-coax-cable-fep-jacket-rg142b-u-p.aspx>

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RG142B/U CAD Drawing

Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket



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| | | | | | | | | |
|--|--|---------------------------|--|------------------------------|--|----------------------|-------------------|-----------------|
| <div>DWG TITLE</div> <div>RG142B/U</div> | | <div>FSCM NO. 53919</div> | | <div>CAD FILE 022808-A</div> | | <div>SCALE N/A</div> | <div>SIZE A</div> | <div>2233</div> |
|--|--|---------------------------|--|------------------------------|--|----------------------|-------------------|-----------------|



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