



75 Ohm Mini SMB Plug Right Angle Connector Crimp/Solder Attachment for RG179, RG187

RF Connectors Technical Data Sheet

PE4995

Configuration

- Standard Mini SMB Plug Standard Connector
- 75 Ohms
- Right Angle Body Geometry

- RG179, RG187 Interface Type
- Crimp/Solder Attachment

Features

- Max. Operating Frequency 2 GHz
- Gold Plated Beryllium Copper Contact

- 30 μ in minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4995 75 ohm Mini SMB plug right angle connector with crimp/solder attachment for RG179 and RG187 is part of our full line of RF components available for same-day shipping. Our Mini SMB plug connector operates up to a maximum frequency of 2 GHz. Its right angle body geometry allows for easier connections in tight spaces.

Our 75 ohm Mini SMB plug right angle connector PE4995 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		2	GHz
Operating Voltage (AC)			335	Vrms

Mechanical Specifications

Size

Length	0.528 in [13.41 mm]
Width/Dia.	0.256 in [6.50 mm]
Height	0.506 in [12.85 mm]
Weight	0.012 lbs [5.44 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 Mini SMB Plug Right Angle Connector Crimp/Solder Attachment for RG179, RG187 PE4995](#)



75 Ohm Mini SMB Plug Right Angle Connector Crimp/Solder Attachment for RG179, RG187

RF Connectors Technical Data Sheet

PE4995

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold 30 μ in minimum
Insulation	PTFE	
Body	Brass	Nickel 100 μ in minimum

Environmental Specifications

Temperature

Operating Range

-65 to +165 deg C

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

Plotted and Other Data

Notes:

75 Ohm Mini SMB Plug Right Angle 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 99.4% availability and are part of the broadest selection in the industry.

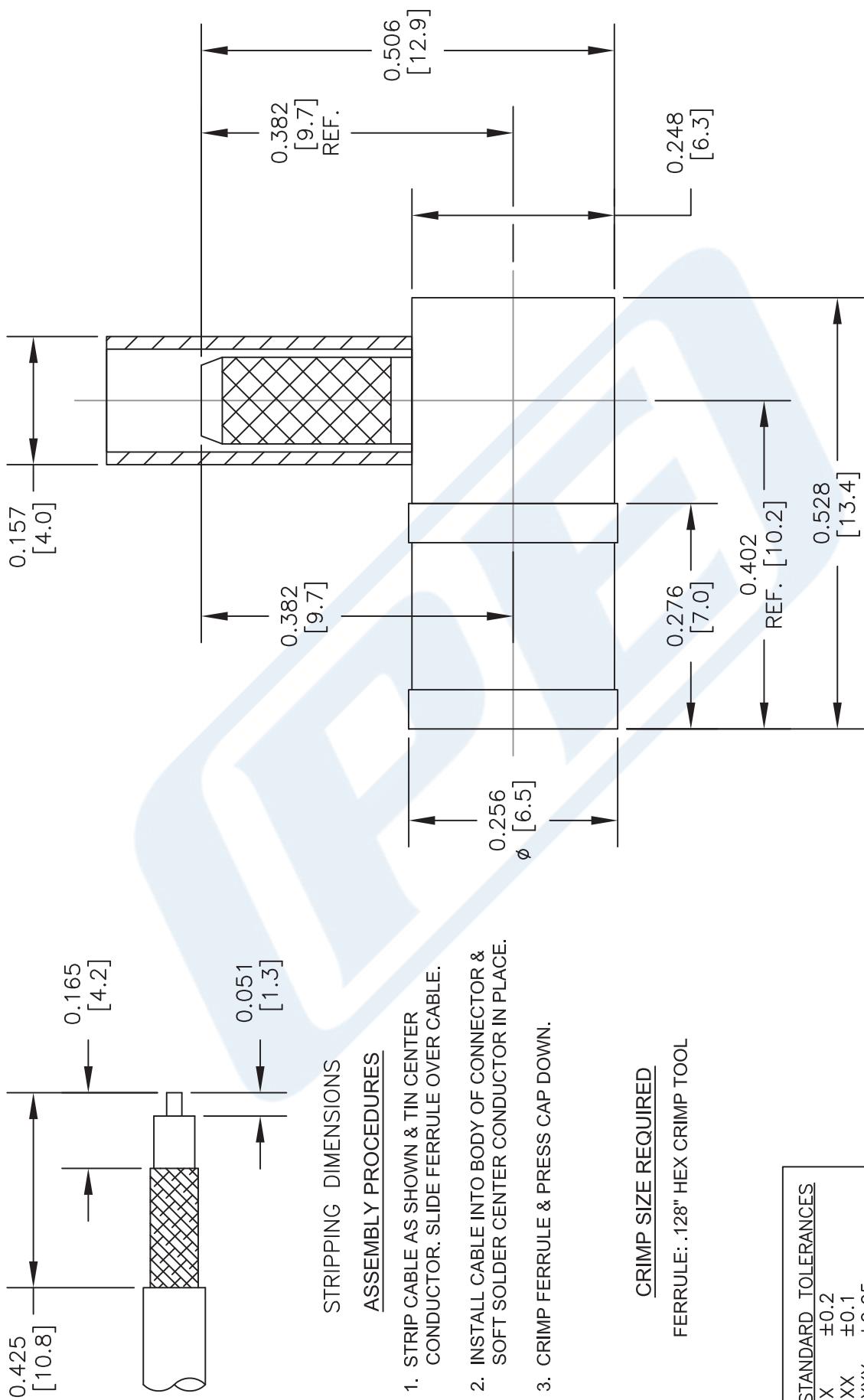
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm Mini SMB Plug Right Angle Connector Crimp/Solder Attachment for RG179, RG187 PE4995](#)

URL: <https://www.pasternack.com/mini-smb-plug-standard-rg179-rg187-connector-pe4995-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.

PE4995 CAD Drawing

75 Ohm Mini SMB Plug Right Angle Connector Crimp/
Solder Attachment for RG179, RG187



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].

DWG TITLE	PE4995	CAGE CODE	53919	CAD FILE	060617	SCALE	N/A	SIZE	A	2233
PASTERNACK® THE ENGINEER'S RF SOURCE	Pasternack Enterprises, Inc. P.O. Box 16759 Irvine CA 92623 Phone: (949) 261-1920 Fax: (949) 261-7451 Website: www.pasternack.com E-Mail: sales@pasternack.com									

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
Width/Dia.
Weight

1.13 in [28.7 mm]
0.688 in [17.48 mm]
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.

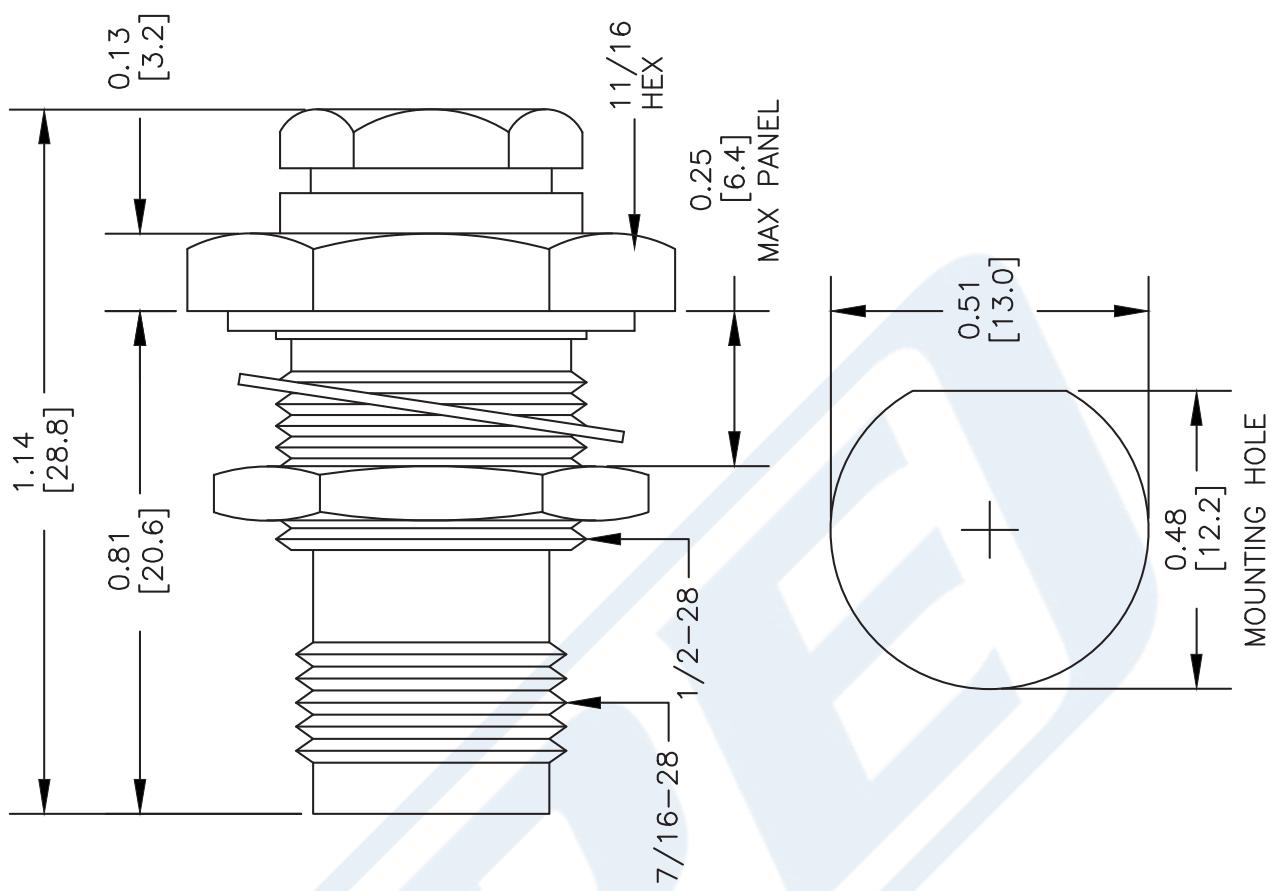
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm TNC Female Bulkhead Mount Connector Clamp/Solder Attachment for RG179, RG187, .480 inch D Hole PE44176](#)

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

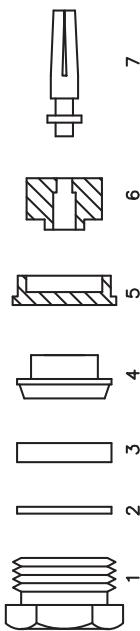
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PE44176 CAD Drawing

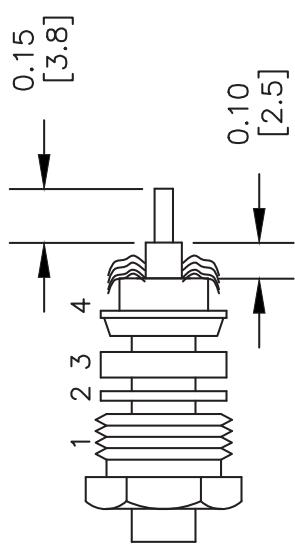
75 Ohm TNC Female Bulkhead Mount Connector Clamp/Solder
Attachment for RG179, RG187, .480 inch D Hole



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.



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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
PASTERNACK® Pasternack Enterprises, Inc. P.O. Box 16759 Irvine CA 92623 Phone: (949) 261-1920 Fax: (949) 261-7451 Website: www.pasternack.com E-Mail: sales@pasternack.com										

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.

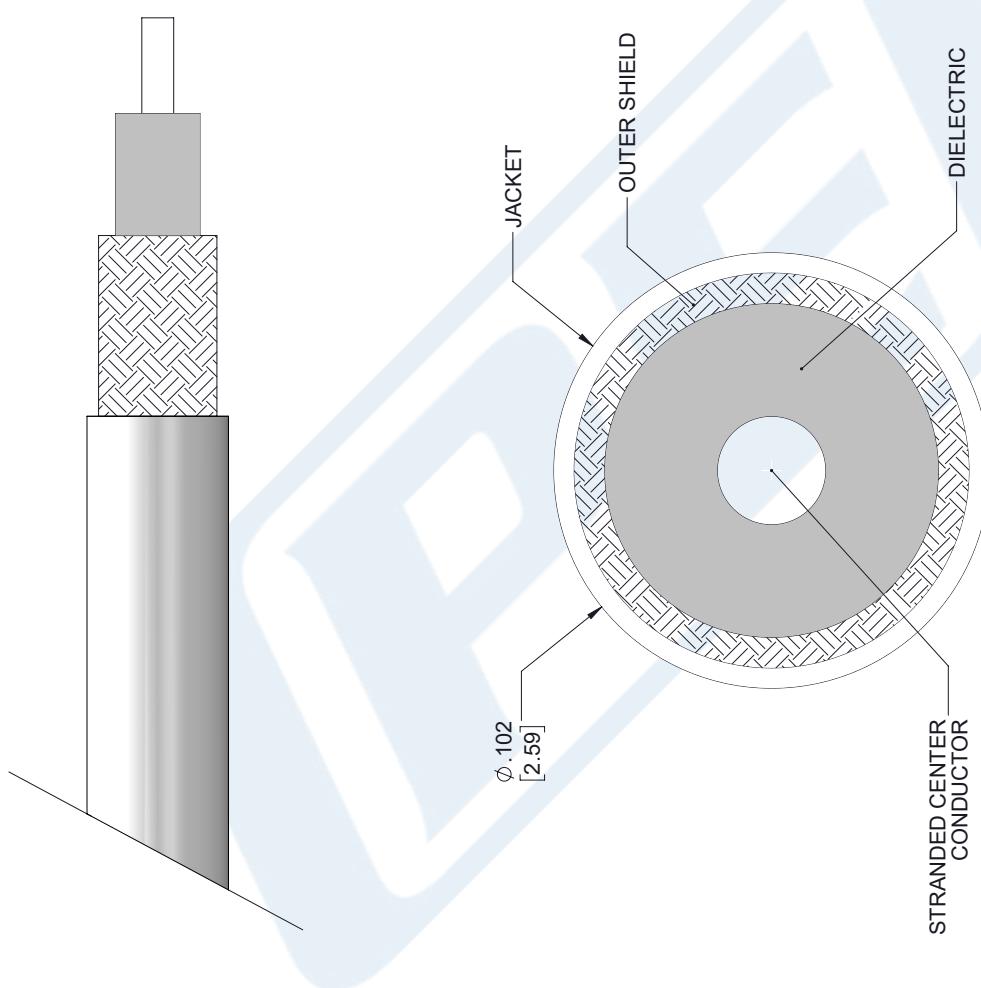
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm Flexible RG187 Coax Cable Single Shielded with White PTFE Jacket RG187A/U](#)

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



STANDARD TOLERANCES		
X	±0.2	
.XX	±0.01	
.XXX	±0.005	

ONLY TO DIMENSIONS IN INCHES



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DWG TITLE	RG187A/U
CAGE CODE	53919

SCALE	N/A	SIZE	A
05/11/18			7361