



75 Ohm F Male Connector Crimp/Solder Attachment for RG179, RG187

RF Connectors Technical Data Sheet

PE44319

Configuration

- F Male Connector
- 75 Ohms
- Straight Body Geometry
- RG179, RG187 Interface Type
- Crimp/Solder Attachment
- 7/16 inch Hex

Features

- Max. Operating Frequency 1,000 MHz
- Good VSWR of 1.35:1
- Gold Plated Brass Contact

Applications

- General Purpose Test
- Custom Cable Assemblies
- CATV

Description

Pasternack's PE44319 75 ohm type F male connector with crimp/solder attachment for RG179 and RG187 is part of our full line of RF components available for same-day shipping. Our type F male connector operates up to a maximum frequency of 1,000 MHz and offers good VSWR of 1.35:1.

Our 75 ohm type F male connector PE44319 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			1.35:1	
Operating Voltage (AC)			500	Vrms

Mechanical Specifications

Size

Length	0.845 in [21.46 mm]
Width/Dia.	0.433 in [11.00 mm]
Weight	0.009 lbs [4.08 g]
Mating Torque	12 to 15 in-lbs [1.36 to 1.70 Nm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm F Male Connector Crimp/Solder Attachment for RG179, RG187 PE44319](#)



75 Ohm F Male Connector Crimp/Solder
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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

Environmental Specifications

Temperature

Operating Range

-40 to +85 deg C

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

Plotted and Other Data

Notes:

75 Ohm F Male 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.

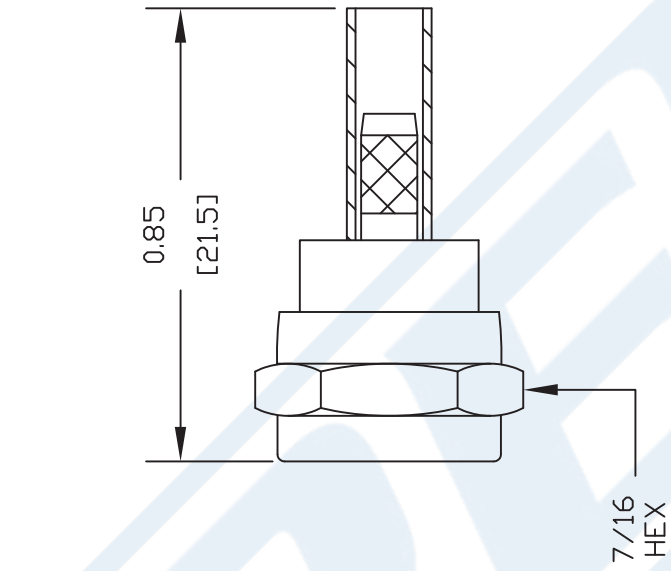
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm F Male Connector Crimp/Solder Attachment for RG179, RG187 PE44319](#)

URL: <https://www.pasternack.com/f-male-standard-rg179-rg187-connector-pe44319-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.

PE44319 CAD Drawing

75 Ohm F Male Connector Crimp/Solder Attachment for RG179, RG187



STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: SOLDER
FERRULE: .128" HEX CRIMP TOOL

PE PASTERNAK®
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

DWG TITLE
PE44319

- 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.

REV. -	FSCM NO. 53919	CAD FILE 121902	SCALE N/A	SIZE A	127
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75 Ohm SMB Positive Snap Plug Connector Crimp/ Solder Attachment For RG179, RG187

TECHNICAL DATA SHEET

PE44443

75 Ohm SMB Positive Snap Plug Connector Crimp/Solder Attachment For RG179, RG187

Configuration

Connector	SMB Positive Snap Plug
Connector Interface Type	RG179, RG187
Cable Attachment Method (Shield/Contact)	Crimp/Solder
Body Style	Straight

Electrical Specifications

Impedance, Ohms	75
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Mechanical Specifications

Size

Length, in [mm]	1.082 [27.48]
Width/Dia., in [mm]	0.4 [10.16]
Weight, lbs [g]	0.019 [8.62]

Connector

Type	SMB Positive Snap Plug
Contact Material and Plating	Gold
Body Material and Plating	Brass, Nickel
Dielectric Type	PTFE

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

RoHS Compliant	Yes
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Plotted and Other Data

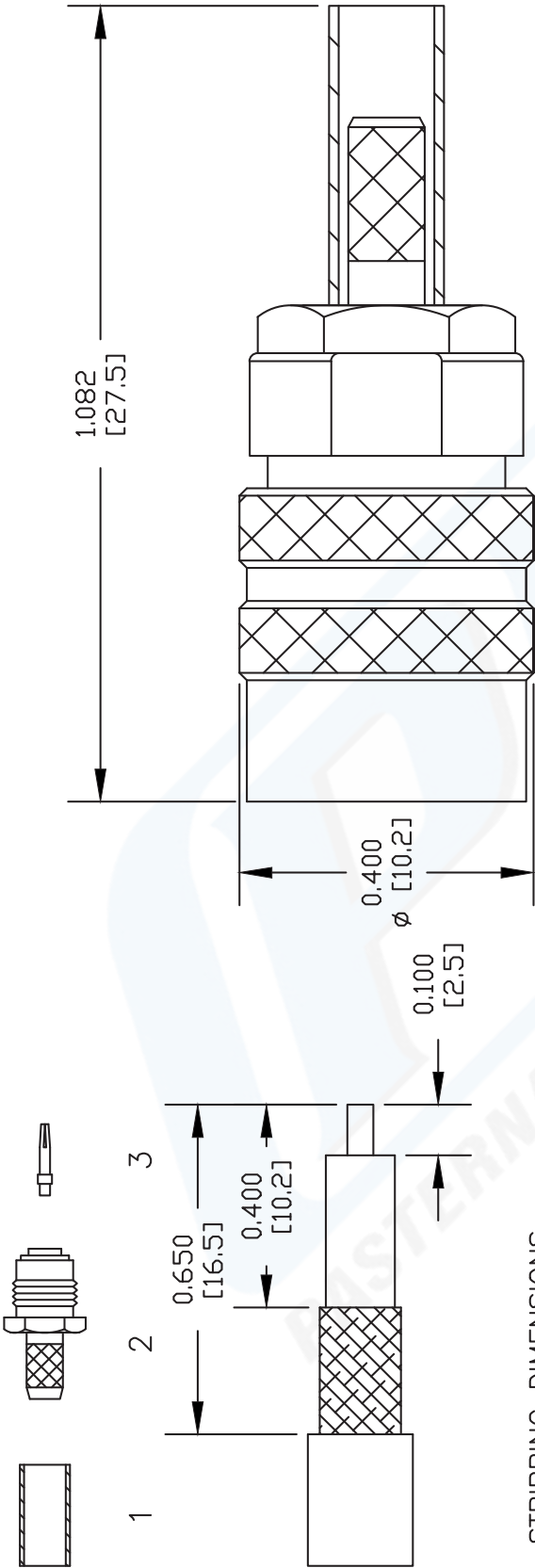
Notes:	Values at 25 °C, sea level
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75 Ohm SMB Positive Snap Plug Connector Crimp/Solder Attachment For RG179, RG187 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain 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 SMB Positive Snap Plug Connector Crimp/Solder Attachment For RG179, RG187 PE44443](http://www.pasternack.com/smb-positive-snap-plug-standard-rg179-rg187-connector-pe44443-p.aspx)

URL: <http://www.pasternack.com/smb-positive-snap-plug-standard-rg179-rg187-connector-pe44443-p.aspx>

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STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN & SLIDE FERRULE (1) ONTO CABLE. TIN CENTER CONDUCTOR.
2. ADD CRIMP NUT (2) BY SLIDING EXTENSION BETWEEN BRAID & DIELECTRIC. SLIDE FERRULE (1) OVER BRAID & CRIMP.
3. SOLDER CONTACT (3) TO CENTER CONDUCTOR. SLIDE ASSEMBLY INTO BODY & TIGHTEN

CRIMP SIZE REQUIRED

CONTACT: SOLDER
FERRULE: .128" HEX CRIMP TOOL

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4. FITS MIL-C-17 AND EQUIVALENT CABLES.

DWG TITLE

PE44443

FSCM NO. 53919

CAD FILE

080504

SCALE

SIZE A

127



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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]
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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.

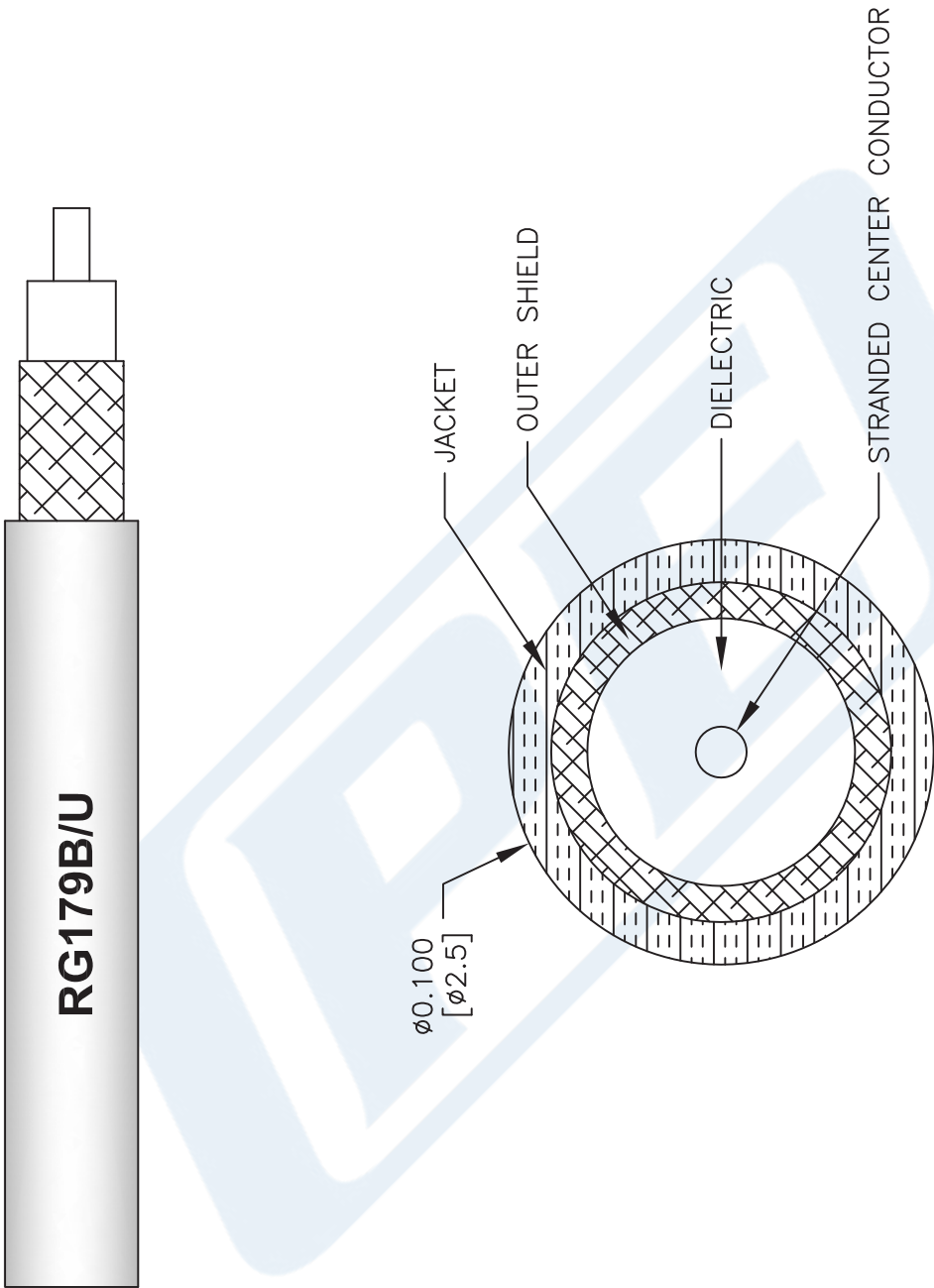
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm Flexible RG179 Coax Cable Single Shielded with Tan FEP Jacket RG179B/U](#)

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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DWG TITLE
RG179B/U

FSCM NO. 53919

CAD FILE 111716

SCALE N/A

SIZE A

41742

P**E** **PASTERNACK®**
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