



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

### RF Connectors Technical Data Sheet

PE45520

#### Configuration

- F Male Connector
- 75 Ohms
- Straight Body Geometry
- Connector Interface Types: RG179, RG187
- 7/16 inch Hex

#### Features

- Max. Operating Frequency 1 GHz
- Good VSWR of 1.35:1
- Gold Plated Brass Contact

#### Applications

- General Purpose Test
- Custom Cable Assemblies
- CATV

#### Description

Pasternack's PE45520 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 GHz and offers good VSWR of 1.35:1.

Our 75 ohm type F male connector PE45520 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	0.01 lbs [4.54 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 PE45520](#)



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

### RF Connectors Technical Data Sheet

PE45520

#### Material Specifications

Description	Material	Plating
Contact	Brass	Gold
Insulation	PTFE	
Body	Brass	Nickel
Coupling Nut	Brass	Nickel

#### Environmental Specifications

**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 99.4% 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 F Male Connector Crimp/Solder Attachment for RG179, RG187 PE45520](#)

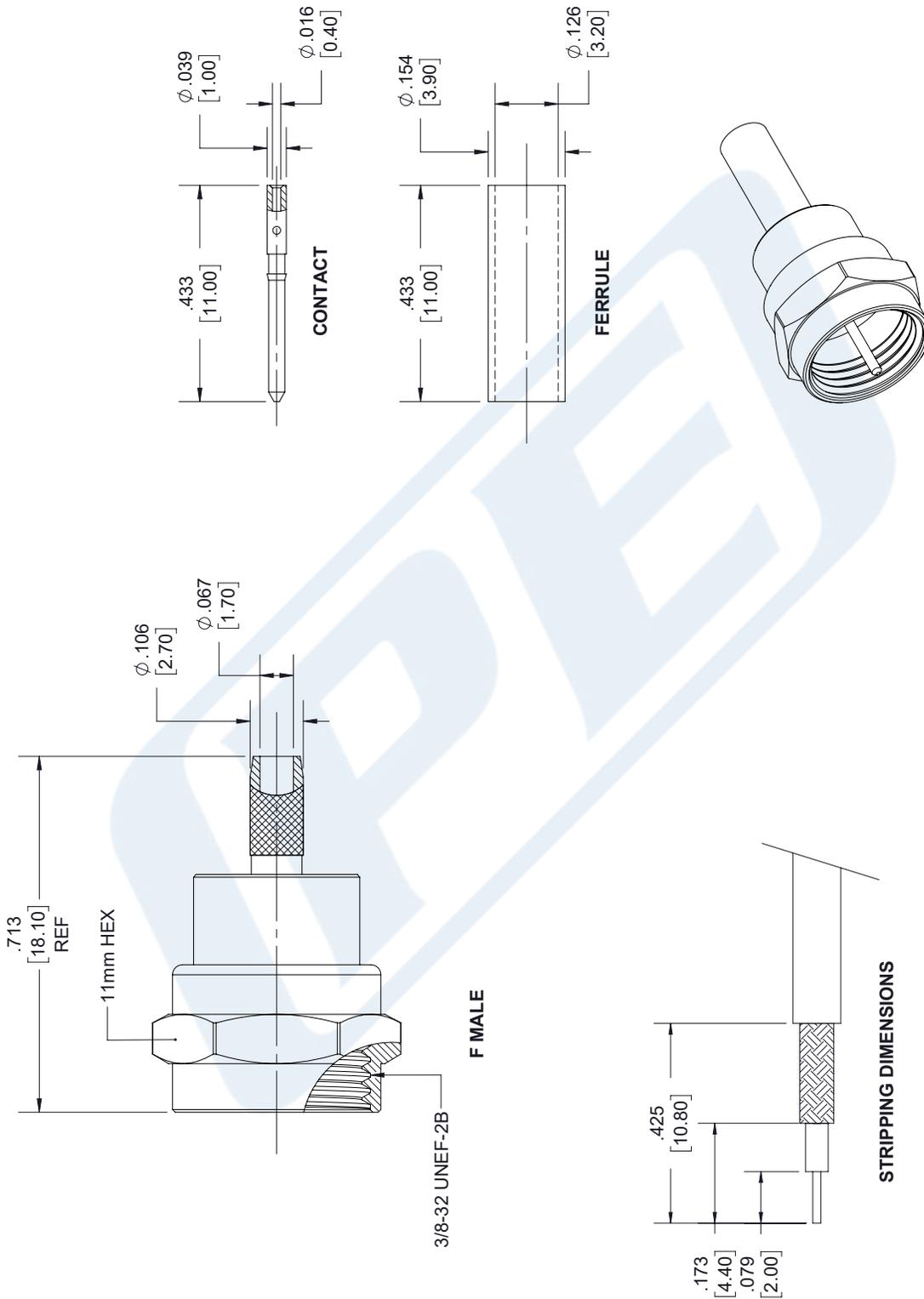
URL: <https://www.pasternack.com/f-male-rg179-rg187-connector-pe45520-p.aspx>

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# PE45520 CAD Drawing

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

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	08/05/19	S.ELLIS



**NOTES:**

- CABLE ATTACHMENT:
  - OUTER: CRIMP.
  - INNER: SOLDER.
- CRIMP SIZE REQUIRED:
  - FERRULE: .128 [3.25] HEX. CRIMP TOOL.
  - CONTACT: SOLDER.

UNLESS OTHERWISE SPECIFIED  
LEADING DIMENSIONS ARE INCHES  
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:

X±.2	[5.08]	FRACTIONS
.XX±.01	[.25]	±132
.XXX±.005	[.13]	ANGLES ± 1°

ALL DIMENSIONS SHOWN  
ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION



**PASTERNAK**  
an INFINITO brand

Pasternack Enterprises, Inc.  
P.O. Box 16759, Irvine, CA 92623.  
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THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION. ALL RIGHTS RESERVED.	SHEET 1 OF 1	SCALE N/A
SIZE A	CAGE DRAWN BY K.DANG	PART NUMBER PE45520
REV A	REV A	REV A

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

### RF Connectors Technical Data Sheet

PE4656

#### Configuration

- N Male Connector
- MIL-STD-348
- 75 Ohms
- Straight Body Geometry
- RG179, RG187 Interface Type
- Crimp/Solder Attachment

#### Features

- Gold Plated Brass Contact
- Contact plating according to MIL-G-45204

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE4656 75 ohm type N 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 75 ohm type N male connector PE4656 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	1.153 in [29.29 mm]
Width/Dia.	0.827 in [21.01 mm]
Weight	0.066 lbs [29.94 g]

##### Material Specifications

Description	Material	Plating
Contact	Brass	Gold MIL-G-45204
Insulation	PTFE	
Body	Brass	Nickel QQ-N-290
Coupling Nut	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 N Male Connector Crimp/Solder Attachment for RG179, RG187 PE4656](#)



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

### RF Connectors Technical Data Sheet

PE4656

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

#### Plotted and Other Data

Notes:

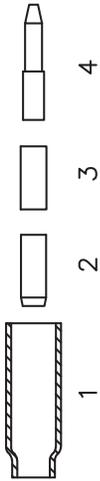
75 Ohm N Male Connector Crimp/Solder Attachment for RG179, RG187 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm N Male Connector Crimp/Solder Attachment for RG179, RG187 PE4656](#)

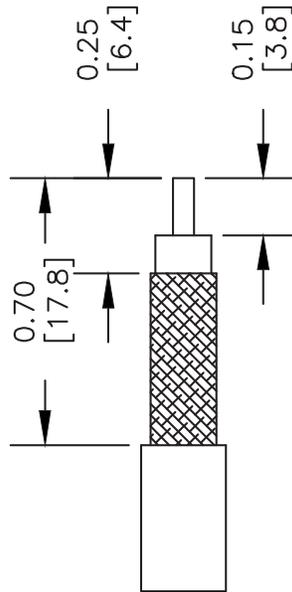
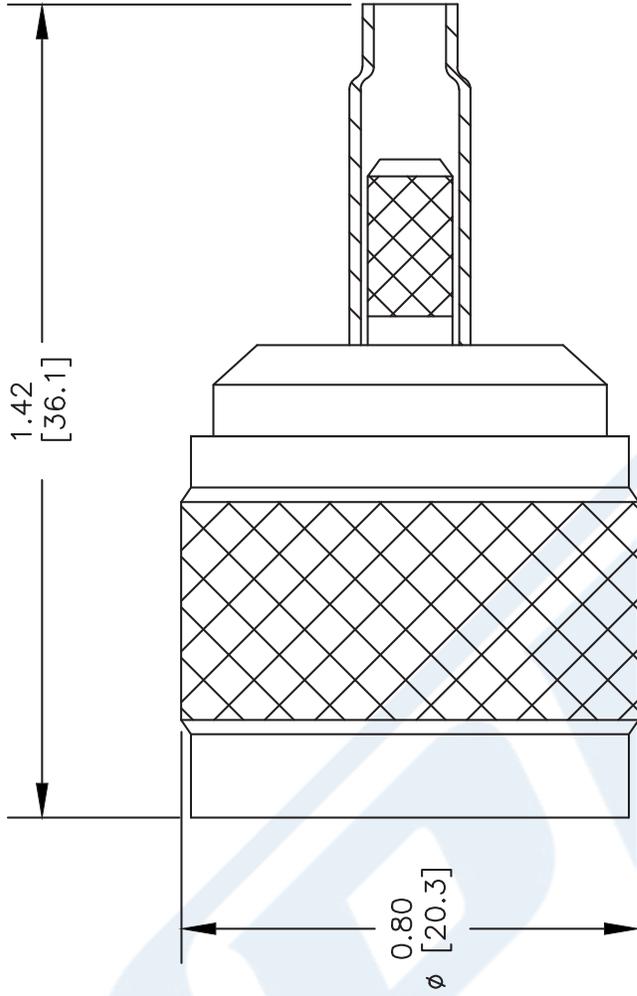
URL: <https://www.pasternack.com/n-male-standard-rg179-rg187-connector-pe4656-p.aspx>

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### ASSEMBLY PROCEDURES



1. STRIP CABLE AS SHOWN & SLIDE FERRULE (1) ONTO CABLE.
2. FLARE END OF CABLE BRAID & SLIDE METAL SPACER (2) & PTFE (3) SPACER OVER CABLE DIELECTRIC.
3. THE CONTACT (4) SHOULD BUTT AGAINST THE DIELECTRIC & PTFE SPACER. CRIMP CONTACT TO CABLE CENTER CONDUCTOR.
4. INSTALL CABLE ASSEMBLY INTO BODY SO THAT THE INNER FERRULE PORTION OF BODY SLIDES UNDER BRAID. PUSH CABLE ASSEMBLY INTO BODY. SLIDE FERRULE OVER BRAID & UP AGAINST BODY. CRIMP FERRULE.



STRIPPING DIMENSIONS

### CRIMP SIZE REQUIRED

CONTACT: .068" HEX CRIMP TOOL  
 FERRULE: .178" HEX CRIMP TOOL



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DWG TITLE

**PE4656**

FSCM NO. 53919

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 FILE 052902

SCALE N/A

SIZE A

127

## 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 dB/100m
	29.72	60.37	98.43			

#### 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

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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.

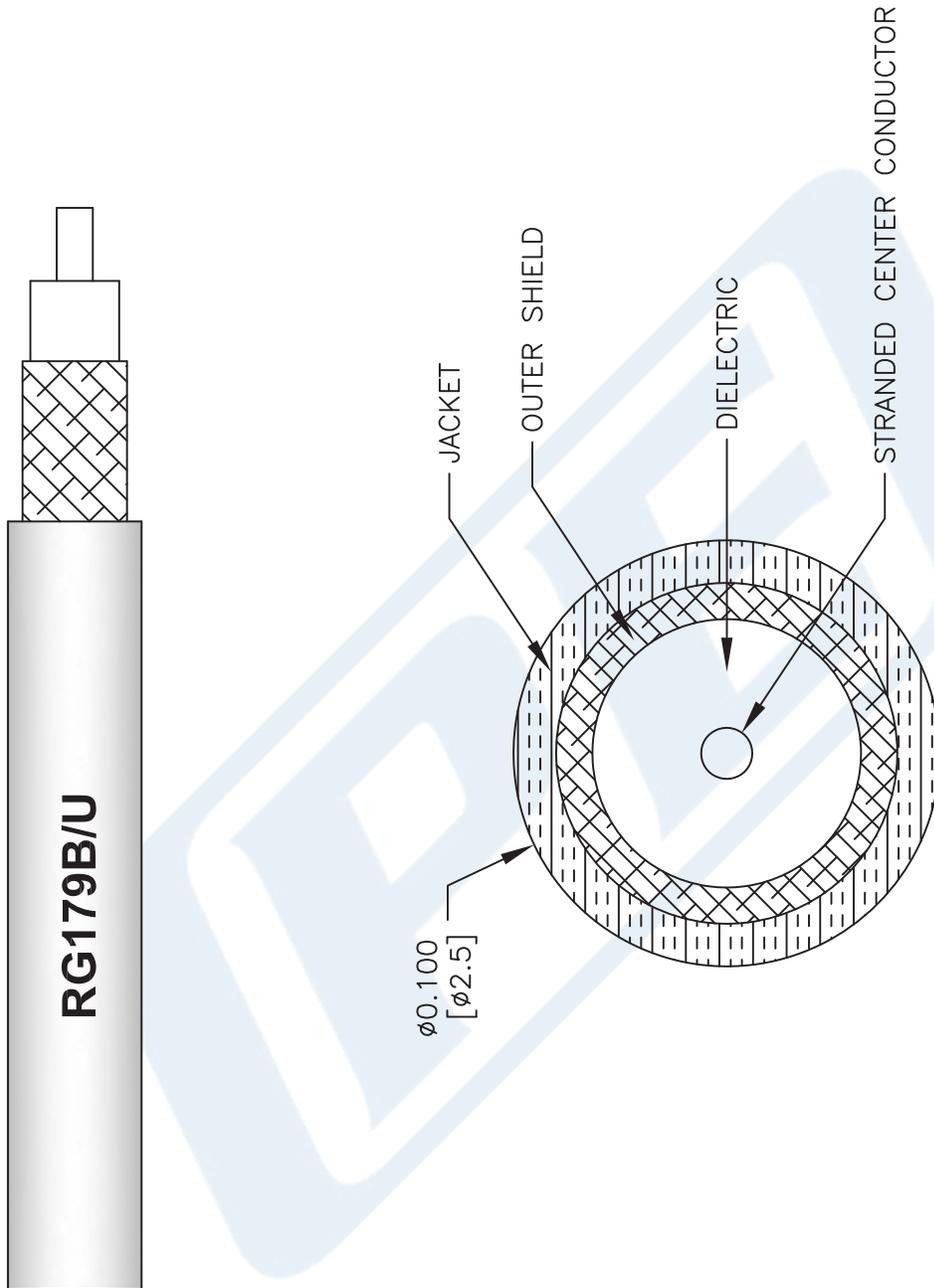
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm Flexible RG179 Coax Cable Single Shielded with Tan FEP Jacket RG179B/U](#)

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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 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.  
 3. DIMENSIONS ARE IN INCHES [mm].

DWG TITLE <b>RG179B/U</b>		CAD FILE 111716	SCALE N/A	SIZE A	41742
FSCM NO. 53919					

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