



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
Attachment for RG179, RG187

RF Connectors Technical Data Sheet

PE44319

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.

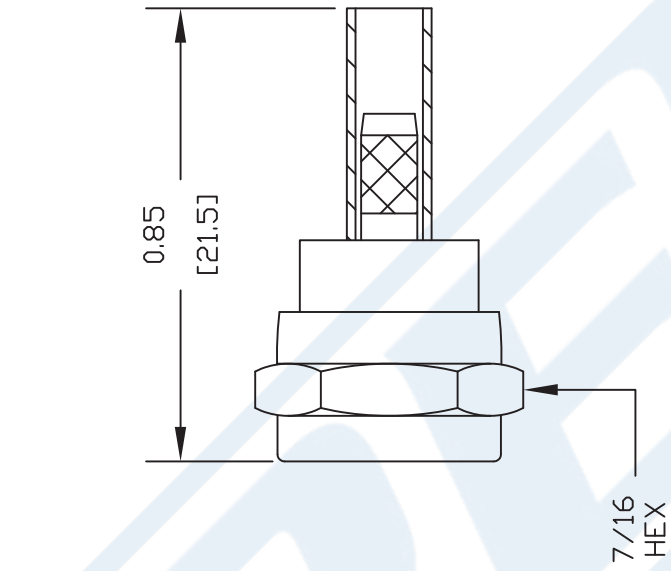
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm F Male Connector Crimp/Solder Attachment for RG179, RG187 PE44319](#)

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.
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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 MCX Plug Right Angle Push-On Connector
Crimp/Solder Attachment for RG179, RG187

RF Connectors Technical Data Sheet

PE45086

Configuration

- Push-On MCX Plug Connector
- MIL-C-39012
- 75 Ohms
- Right Angle Body Geometry
- RG179, RG187 Interface Type
- Crimp/Solder Attachment

Features

- Max. Operating Frequency 3 GHz
- Gold Plated Brass Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE45086 75 ohm MCX plug push-on 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 MCX plug connector operates up to a maximum frequency of 3 GHz. Its right angle body geometry allows for easier connections in tight spaces.

Our 75 ohm MCX plug right angle connector PE45086 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		3	GHz

Mechanical Specifications

Size	
Length	0.34 in [8.64 mm]
Width/Dia.	0.2 in [5.08 mm]
Height	0.58 in [14.73 mm]
Weight	0.005 lbs [2.27 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 Right Angle Push-On Connector Crimp/Solder Attachment for RG179, RG187 PE45086](#)



75 Ohm MCX Plug Right Angle Push-On Connector
Crimp/Solder Attachment for RG179, RG187

RF Connectors Technical Data Sheet

PE45086

Material Specifications

Description	Material	Plating
Contact	Brass	Gold
Insulation	PTFE	
Outer Conductor	Beryllium Copper	Gold
Body	Brass	Gold

Environmental Specifications

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

Plotted and Other Data

Notes:

75 Ohm MCX Plug Right Angle Push-On 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.

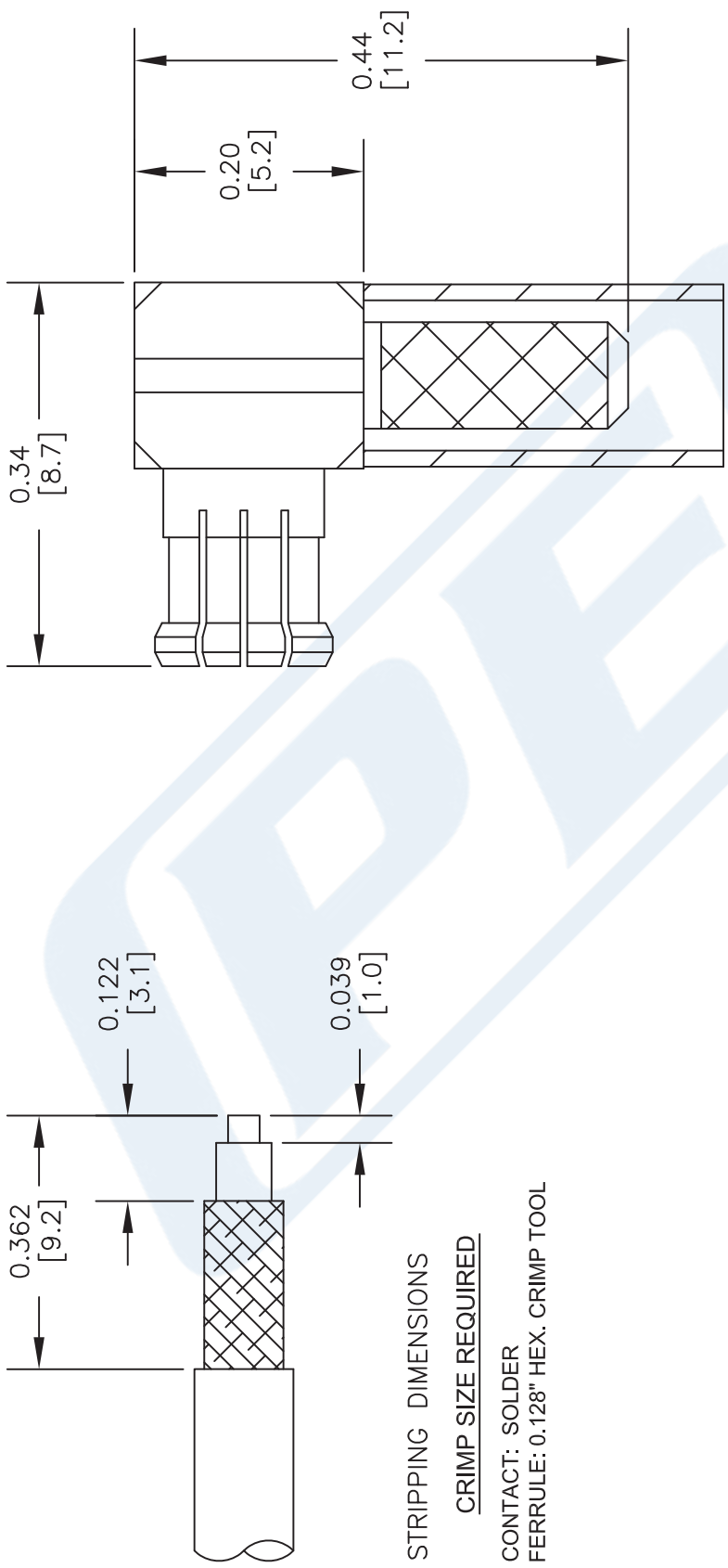
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm MCX Plug Right Angle Push-On Connector Crimp/Solder Attachment for RG179, RG187 PE45086](#)

URL: <https://www.pasternack.com/mcx-plug-push-on-rg179-rg187-connector-pe45086-p.aspx>

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PE45086 CAD Drawing

75 Ohm MCX Plug Right Angle Push-On Connector Crimp/
Solder Attachment for RG179, RG187



STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: SOLDER
FERRULE: 0.128" HEX. CRIMP TOOL

DWG TITLE

PE45086

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CAGE CODE 53919

SIZE A

SCALE N/A

CAD FILE 051517

2233

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THE ENGINEER'S RF SOURCE

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75 Ohm Flexible RG187 Coax Cable Single
Shielded with White PTFE Jacket

TECHNICAL DATA SHEET

RG187A/U

75 Ohm Flexible RG187 Coax Cable Single Shielded with White PTFE Jacket

Configuration

Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Shield Materials	Silver Plated Copper Braid
Jacket Material and Color	PTFE, White

Electrical Specifications

Impedance, Ohms	75
Velocity of Propagation, %	69.5
Maximum Operating Frequency, GHz	3
Capacitance, pF/ft [pF/m]	22 [72.18]
Maximum Operating Voltage, Volts	900
Dielectric Withstanding Voltage, Vrms	1,500

Electrical Specifications by Frequency
Frequency 1

Frequency, MHz	400
Attenuation, dB/100ft [dB/100m]	21 [68.9]
Power Handling, KWatts	1,400

Mechanical Specifications

Inner Conductor

Number of Strands	7
Material	Copper Clad Steel
Plating	Silver
Diameter, in [mm]	0.012 [0.3]

Dielectric:

Type	PTFE
Diameter, in [mm]	0.063 [1.6]

Shield:

Number of	1
Material 1	Silver Plated Copper Braid
Diameter, in [mm]	0.081 [2.06]

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](#)

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75 Ohm Flexible RG187 Coax Cable Single Shielded with White PTFE Jacket

TECHNICAL DATA SHEET

RG187A/U

Jacket:

Material	PTFE
Diameter, in [mm]	0.11 [2.79]
Color	White
Weight, lbs/ft [Kg/m]	0.011 [0.02]

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 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 fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

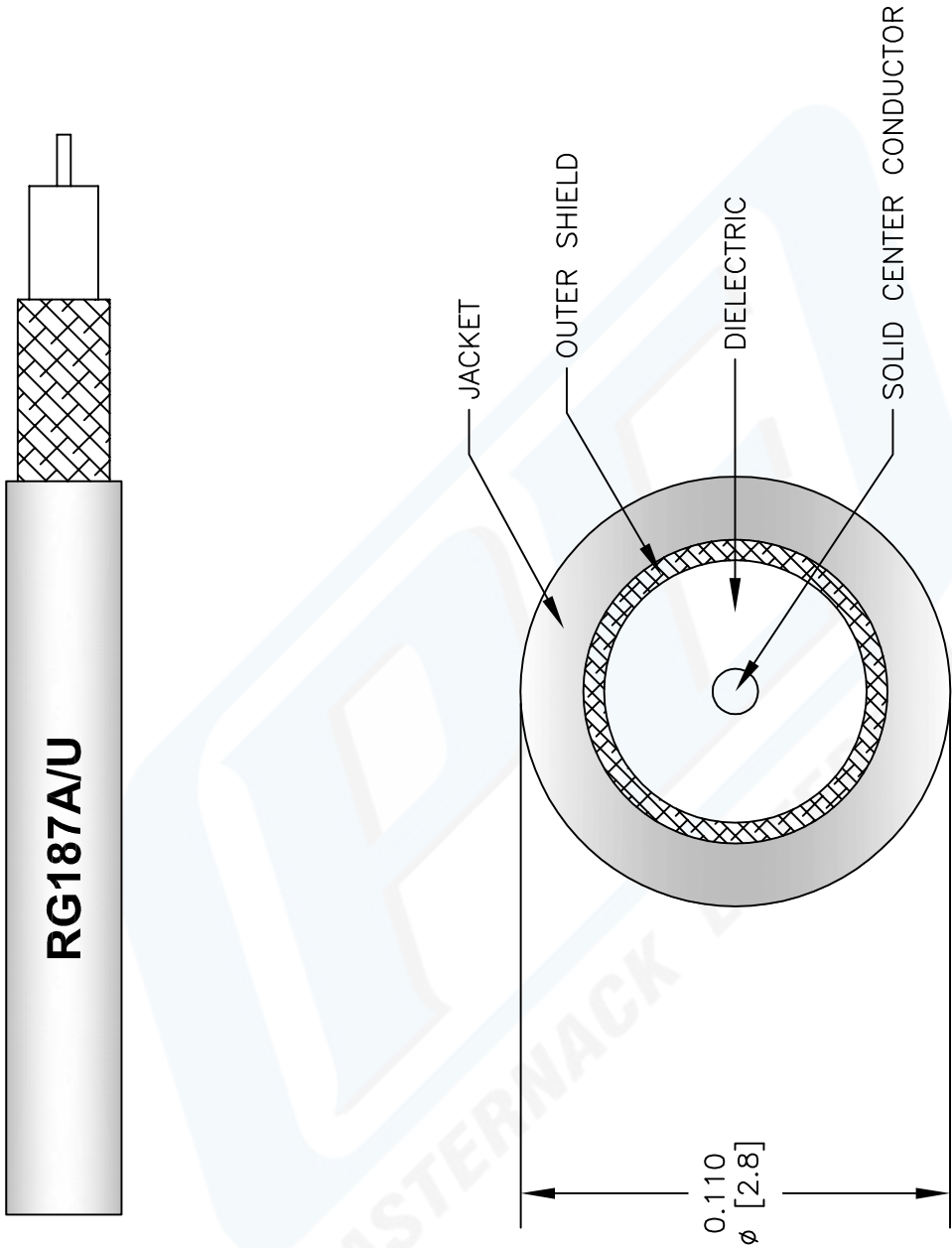
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm Flexible RG187 Coax Cable Single Shielded with White PTFE Jacket RG187A/U](http://www.pasternack.com/flexible-0.110-rg187-75-ohm-coax-cable-ptfe-jacket-rg187a-u-p.aspx)

URL: <http://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



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DWG TITLE		CAD FILE		SCALE		SIZE	
RG187A/U		041812-B		N/A		A	
REV. B	FSCM NO. 53919					2233	



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