PASTERNACK®
THE ENGINEER'S RF SOURCE

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

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
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75 Ohm MCX Plug Right Angle Push-On Connector Crimp/Solder Attachment for RG179, RG187

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

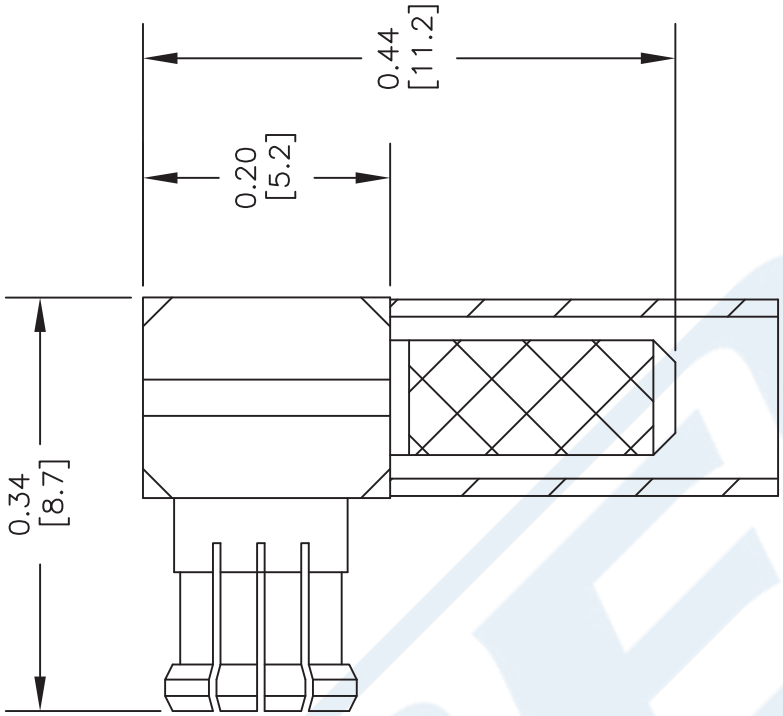
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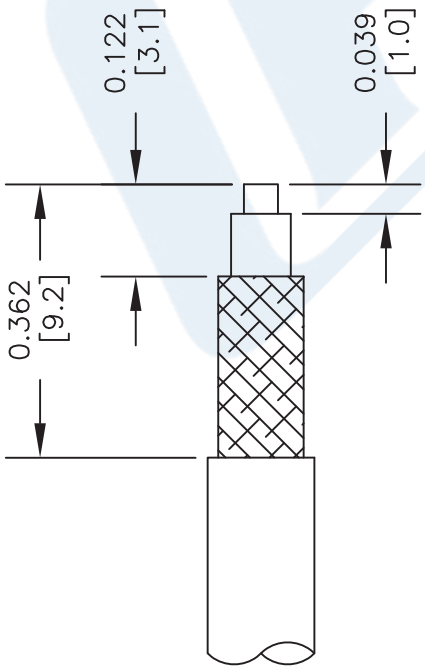
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PE45086 CAD Drawing

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

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 **PE45086**

CAGE CODE 53919 | CAD FILE 051517 | SCALE N/A | SIZE A | 2233

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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

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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

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

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

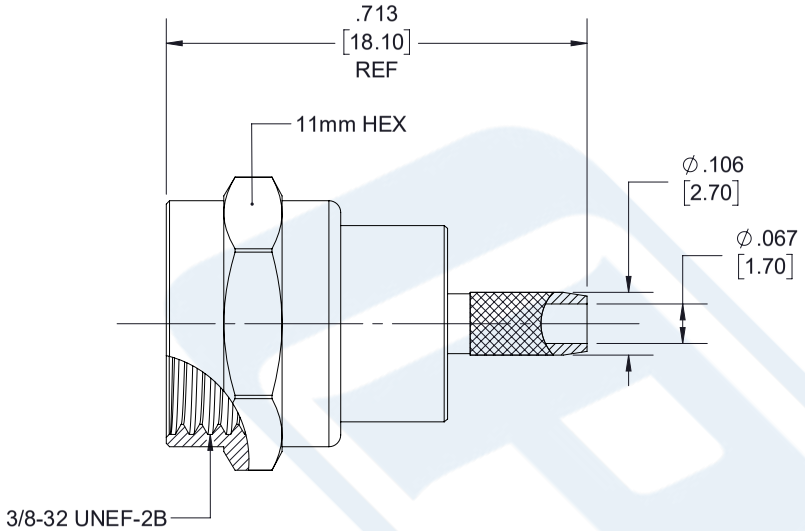
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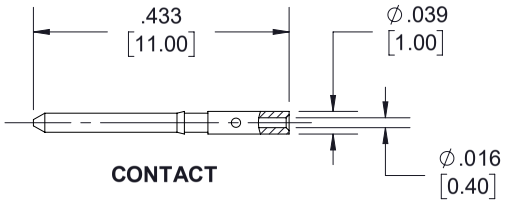
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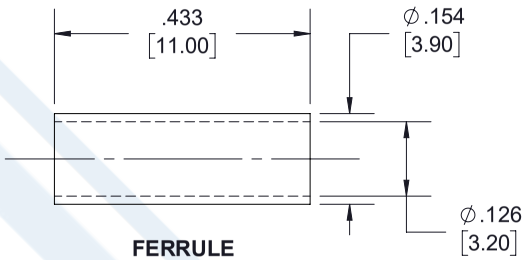
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REV.	DESCRIPTION	DATE	APPROVED
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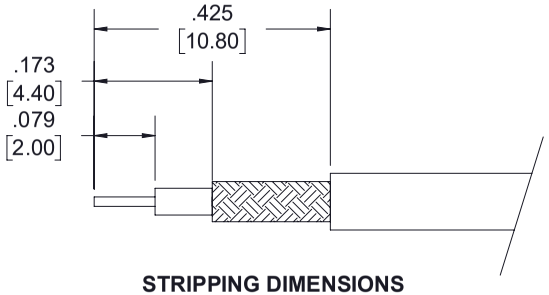
F MALE



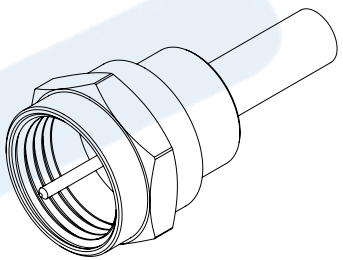
CONTACT



FERRULE



STRIPPING DIMENSIONS



NOTES:

1. CABLE ATTACHMENT:
   - OUTER: CRIMP.
   - INNER: SOLDER.
2. 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]	± 1/32
.XXX=± .005 [.13]	ANGLES ± 1°

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

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Pasternack Enterprises, Inc.
P.O.Box 16759, Irvine, CA 92623.
Phone: 1.949.261.1920 | 1.866.727.8376
Fax: 1.949.261.7451
www.pasternack.com | e-mail: sales@pasternack.com

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SHEET 1 OF 1

SCALE N/A

SIZE	CAGE	DRAWN BY	PART NUMBER	REV
A	53919	K.DANG	PE45520	A

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PE45520 CAD Drawing

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

PASTERNACK
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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 68.9					dB/100ft 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

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

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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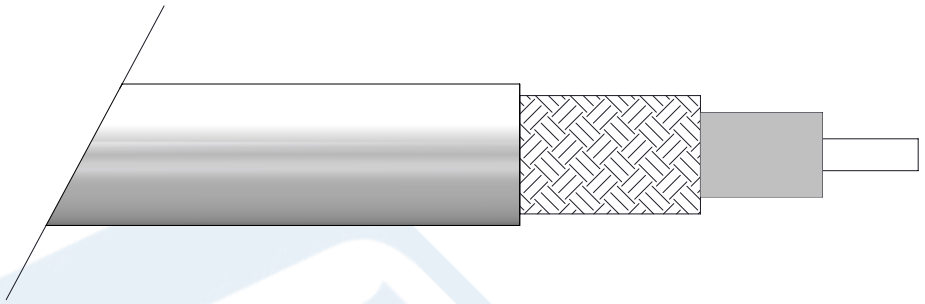
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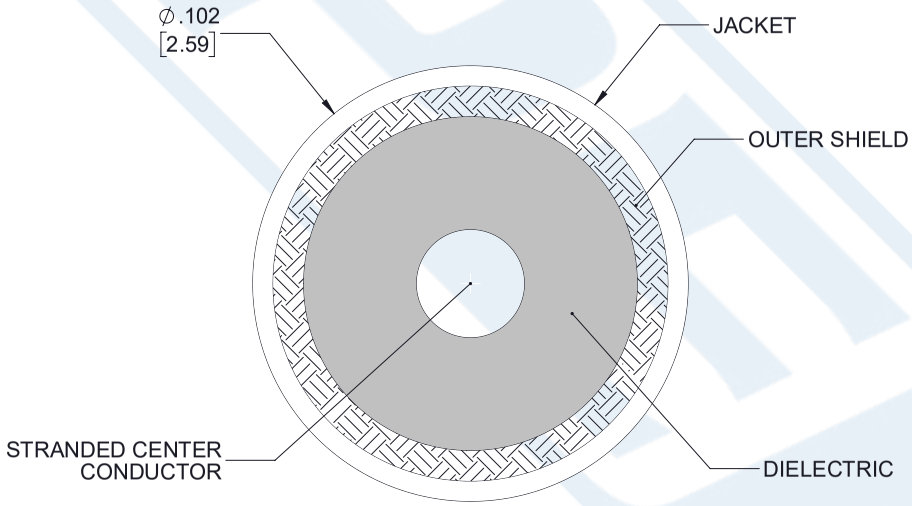
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RG187A/U CAD Drawing

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





SECTION VIEW

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

RG187A/U

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