



75 Ohm MCX Plug Connector Crimp/Solder Attachment for RG179, RG187

RF Connectors Technical Data Sheet

PE44298

Configuration

- MCX Plug Connector
- 75 Ohms
- Straight Body Geometry
- RG179, RG187 Interface Type
- Crimp/Solder Attachment

Features

- Max. Operating Frequency 1,000 MHz
- Good VSWR of 1.3:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44298 75 ohm MCX plug 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 1,000 MHz and offers good VSWR of 1.3:1.

Our 75 ohm MCX plug connector PE44298 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			1.3:1	
Operating Voltage (AC)			250	Vrms

Mechanical Specifications

Size	
Length	0.808 in [20.52 mm]
Width/Dia.	0.235 in [5.97 mm]
Weight	0.009 lbs [4.08 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 Connector Crimp/Solder Attachment for RG179, RG187 PE44298](#)



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Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 µin minimum
Insulation	PTFE	
Body	Brass	Gold 3 µin minimum

Environmental Specifications

Temperature

Operating Range -55 to +155 deg C

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

Plotted and Other Data

Notes:

75 Ohm MCX Plug 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.

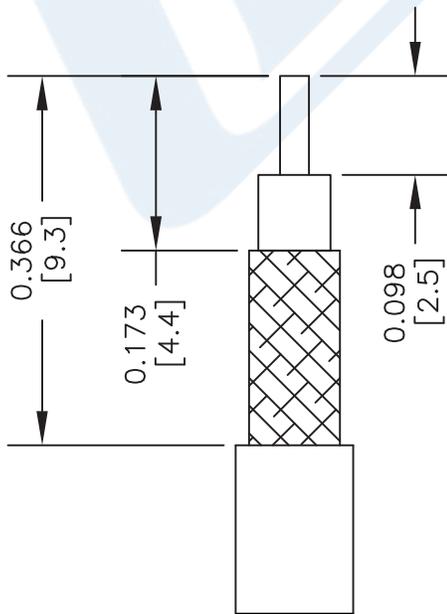
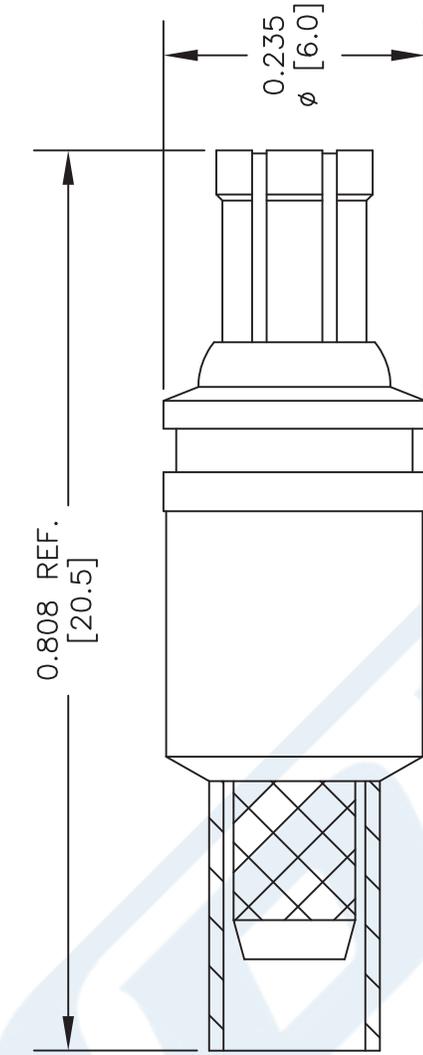
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URL: <https://www.pasternack.com/mcx-plug-standard-rg179-rg187-connector-pe44298-p.aspx>

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PE44298 CAD Drawing

75 Ohm MCX Plug Connector Crimp/Solder Attachment for RG179, RG187



STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

1. SLIDE FERRULE ONTO CABLE; STRIP CABLE AS SHOWN & TIN CENTER CONDUCTOR.
2. INSERT DIELECTRIC AND CENTER CONDUCTOR INTO BODY. SOLDER CENTER CONDUCTOR TO CONTACT THROUGH HOLE IN BODY. REMOVE EXCESS SOLDER. SLIDE FERRULE FORWARD & CRIMP.

CRIMP SIZE REQUIRED

FERRULE: .128" HEX CRIMP TOOL



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 Pasternack Enterprises, Inc.
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DWG TITLE

PE44298

NOTES:
 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
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 3. DIMENSIONS ARE IN INCHES [mm].
 4. FITS MIL-C-17 AND EQUIVALENT CABLES.

CAD REV. A

FSCM NO. 53919

CAD FILE 090612

SCALE N/A

SIZE A

2233



75 Ohm MCX Plug Connector Crimp/Solder Attachment for RG179, RG187

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Plotted and Other Data

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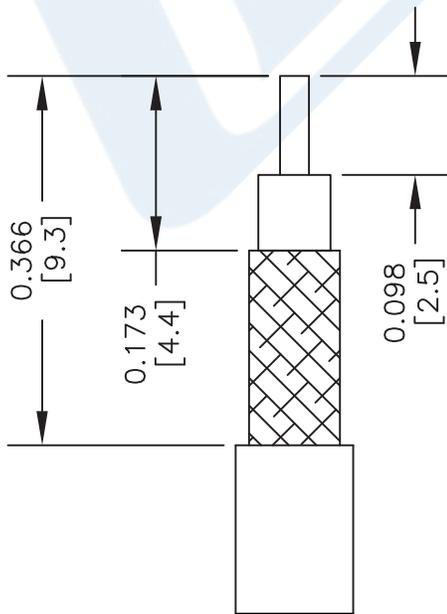
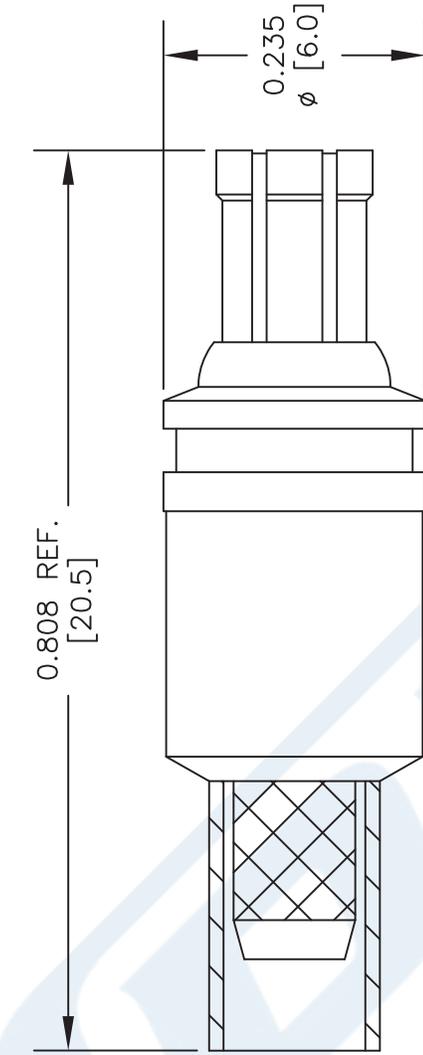
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PE44298 CAD Drawing

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ASSEMBLY PROCEDURES

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DWG TITLE

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CAD REV. A

FSCM NO. 53919

CAD FILE 090612

SCALE N/A

SIZE A

2233

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

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.

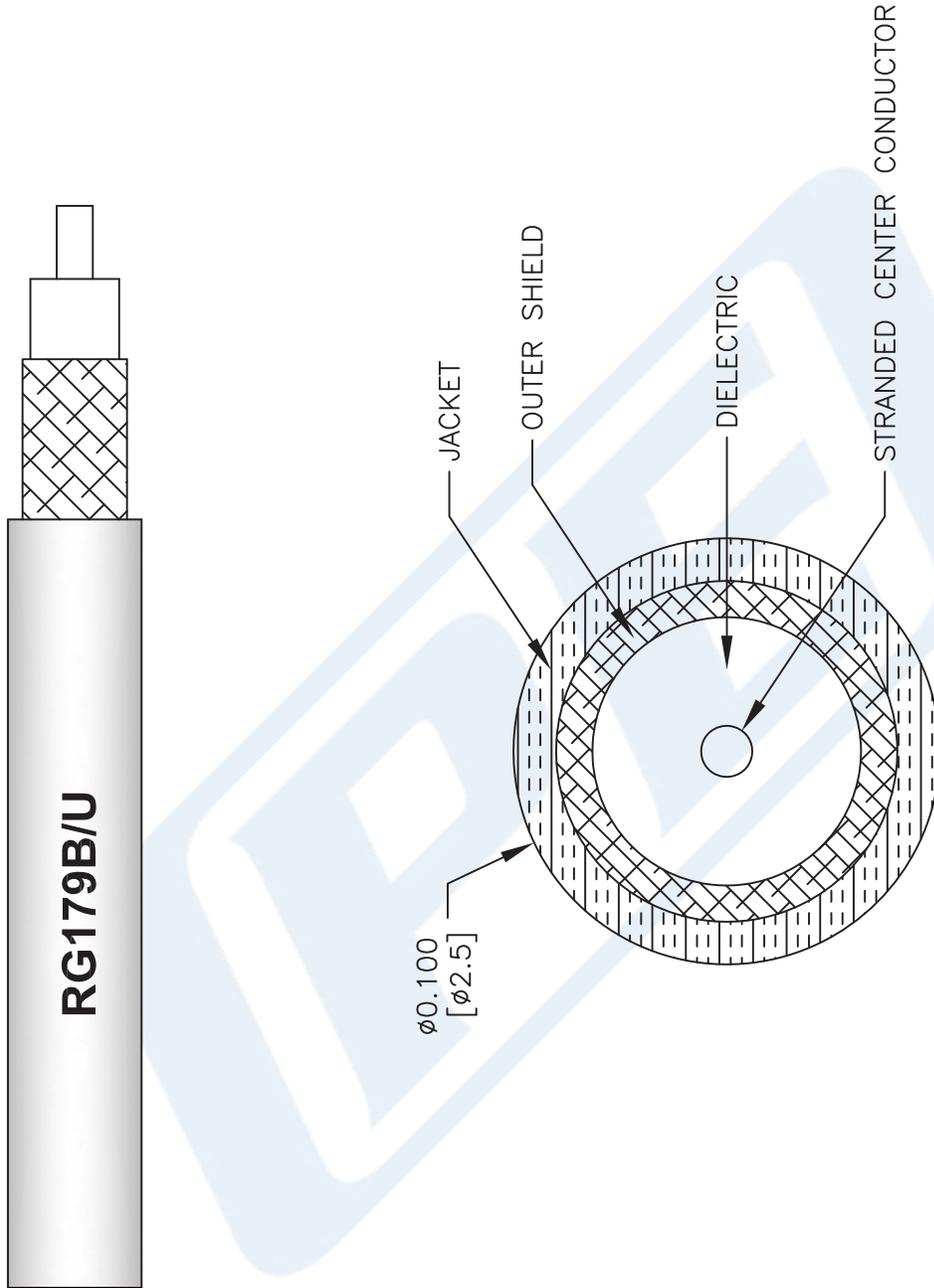
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URL: <https://www.pasternack.com/flexible-0.100-rg179-75-ohm-coax-cable-fep-jacket-rg179b-u-p.aspx>

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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		CAD FILE 111716	SCALE N/A	SIZE A	41742
FSCM NO. 53919					

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