

SMA Female Connector Crimp Attachment for LMR-195, RG303, RG58, RG141, PE-C195, PE-P195, RG58-TPX, LMR-LW195, RG303HV, TCOM-195



PE5130

Configuration

- SMA Female Connector
- 50 Ohms
- Connector Interface Types: LMR-195, RG303, RG58, RG141, PE-C195, PE-P195, RG58-TPX, LMR-LW195, RG303HV, TCOM-195

Features

- Max. Operating Frequency 6 GHz
- Gold Plated Beryllium Copper Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE5130, SMA, Connector is part of our full line of RF components available for same-day shipping. Our SMA female connector operates up to a maximum frequency of 6 GHz.

Our SMA female connector PE5130 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		6	GHz
VSWR		1.25:1		
Insulation Resistance	5,000			MOhms
Impedance		50		Ohms

Mechanical Specifications

Size

Length	0.91 in [23.11 mm]
Width	0.36 in [9.14 mm]
Height	0.31 in [7.87 mm]
Weight	0.0076 lbs [3.45 g]

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold
Insulation	PTFE	
Body	Brass	Tri-metal
Crimp Sleeve	Brass	Tri-metal

SMA Female Connector Crimp Attachment for LMR-195, RG303, RG58, RG141, PE-C195, PE-P195, RG58-TPX, LMR-LW195, RG303HV, TCOM-195



PE5130

Environmental Specifications

Temperature

Operating Range

-40 to +155 deg C

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

Plotted and Other Data

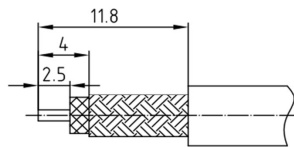
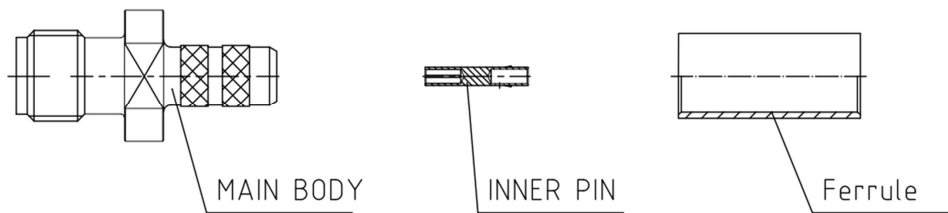
Notes:

SMA Female Connector Crimp Attachment for LMR-195, RG303, RG58, RG141, PE-C195, PE-P195, RG58-TPX, LMR-LW195, RG303HV, TCOM-195

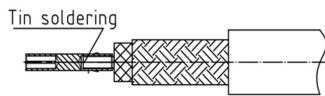


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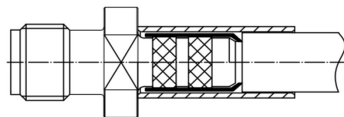
Assembly Instruction



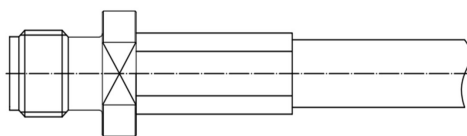
- 1.A. Stripping dimension is as shown by diagram, attention should be paid while stripping.
- B. Remove residual burr.



- 2.A. Solder inner conduct.
- B. Remove residual burr.



- 3.Put the connector in place, Then push the ferrule.



- 4.A. Compression crimping sleeve
- B. Push the heat shrink tube,blow it with heat gun.

SMA Female Connector Crimp Attachment for LMR-195, RG303, RG58, RG141, PE-C195, PE-P195, RG58-TPX, LMR-LW195, RG303HV, TCOM-195



PE5130

SMA Female Connector Crimp Attachment for LMR-195, RG303, RG58, RG141, PE-C195, PE-P195, RG58-TPX, LMR-LW195, RG303HV, TCOM-195 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.

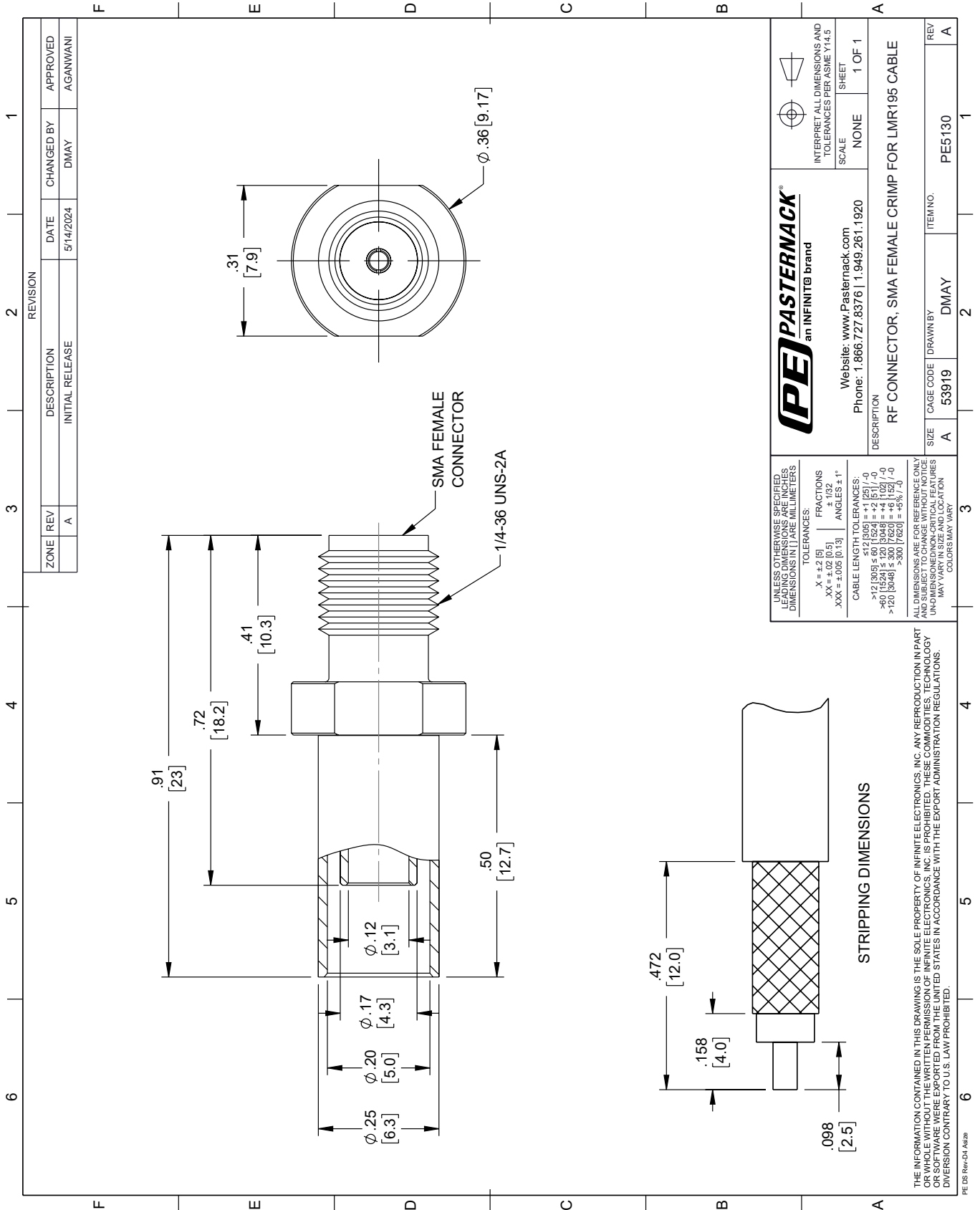
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Female Connector Crimp Attachment for LMR-195, RG303, RG58, RG141, PE-C195, PE-P195, RG58-TPX, LMR-LW195, RG303HV, TCOM-195 PE5130](https://www.pasternack.com/sma-female-lmr-195-rg303-rg141-pe-c195-pe-p195-connector-pe5130-p.aspx)

URL: <https://www.pasternack.com/sma-female-lmr-195-rg303-rg141-pe-c195-pe-p195-connector-pe5130-p.aspx>

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PE5130 CAD Drawing

SMA Female Connector Crimp Attachment for LMR-195, RG303, RG58, RG141, PE-C195, PE-P195, RG58-TPX, LMR-LW195, RG303HV, TCOM-195



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Website: www.Pasternack.com
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INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE: NONE
 SHEET: 1 OF 1

DESCRIPTION: RF CONNECTOR, SMA FEMALE CRIMP FOR LMR195 CABLE

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	DMAY	PE5130	A

SMA Female Connector Crimp Attachment for LMR-195, RG303, RG58, RG141, PE-C195, PE-P195, RG58-TPX, LMR-LW195, RG303HV, TCOM-195



PE5130

Configuration

- SMA Female Connector
- 50 Ohms
- Connector Interface Types: LMR-195, RG303, RG58, RG141, PE-C195, PE-P195, RG58-TPX, LMR-LW195, RG303HV, TCOM-195

Features

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Description

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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
VSWR		1.25:1		
Insulation Resistance	5,000			MOhms
Impedance		50		Ohms

Mechanical Specifications

Size

Length	0.91 in [23.11 mm]
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PE5130

Environmental Specifications

Temperature

Operating Range

-40 to +155 deg C

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

Plotted and Other Data

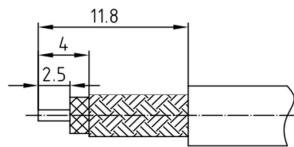
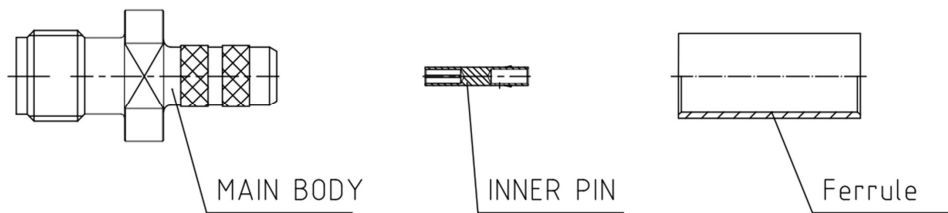
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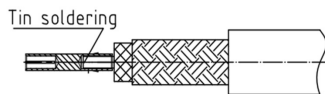


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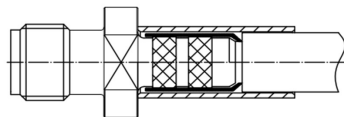
Assembly Instruction



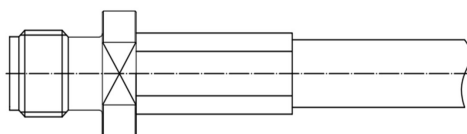
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- B. Remove residual burr.



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SMA Female Connector Crimp Attachment for LMR-195, RG303, RG58, RG141, PE-C195, PE-P195, RG58-TPX, LMR-LW195, RG303HV, TCOM-195

PE5130



SMA Female Connector Crimp Attachment for LMR-195, RG303, RG58, RG141, PE-C195, PE-P195, RG58-TPX, LMR-LW195, RG303HV, TCOM-195 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.

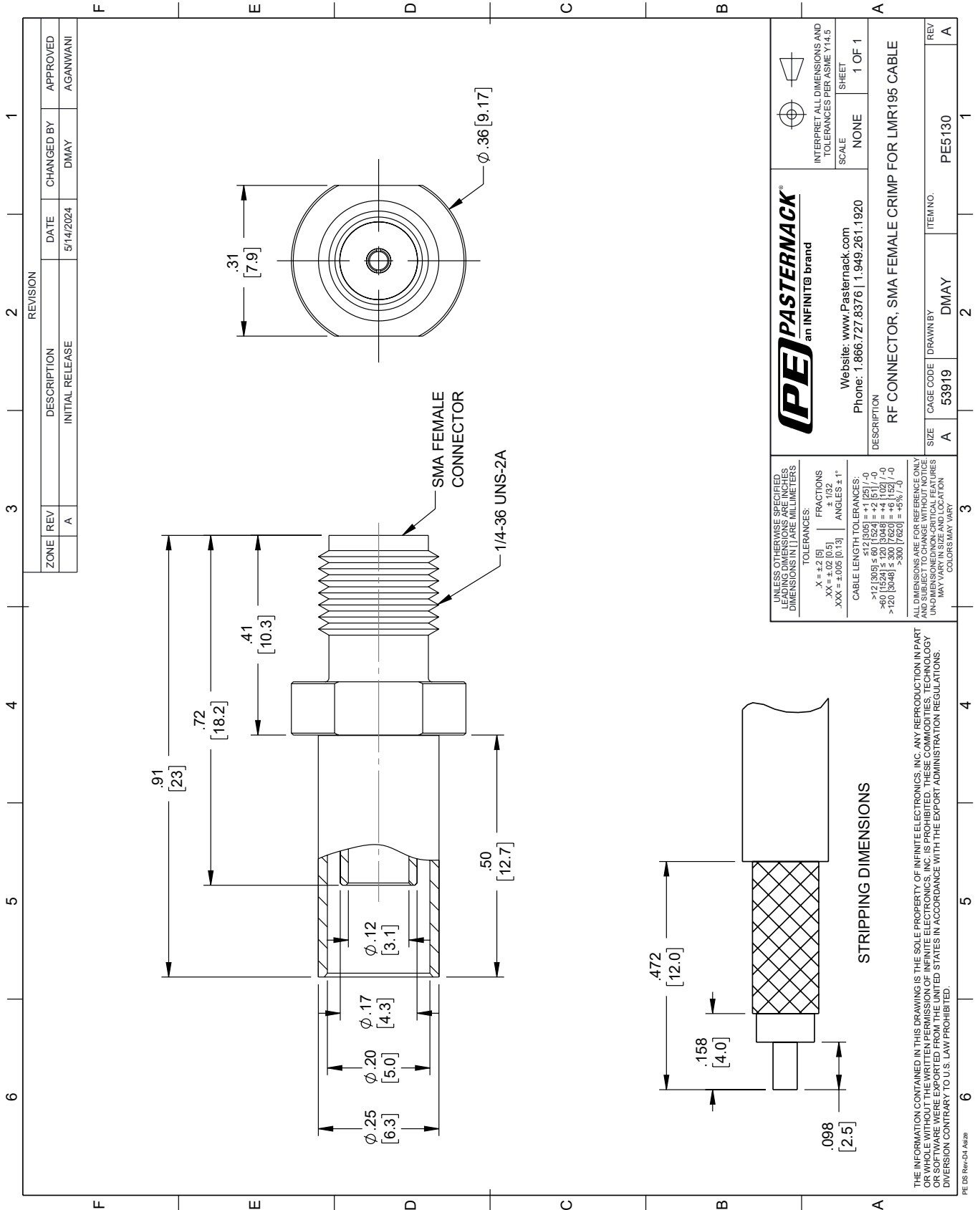
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URL: <https://www.pasternack.com/sma-female-lmr-195-rg303-rg141-pe-c195-pe-p195-connector-pe5130-p.aspx>

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PE5130 CAD Drawing

SMA Female Connector Crimp Attachment for LMR-195, RG303, RG58, RG141, PE-C195, PE-P195, RG58-TPX, LMR-LW195, RG303HV, TCOM-195



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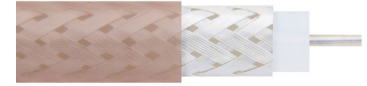
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INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE: NONE
 SHEET: 1 OF 1

DESCRIPTION: RF CONNECTOR, SMA FEMALE CRIMP FOR LMR195 CABLE

SIZE	A	CAGE CODE	53919	ITEM NO.	PE5130
REV	A	DRAWN BY	DMAY		



Flexible RG303 Coax Cable Single Shielded with Tan FEP Jacket

RF Cables Technical Data Sheet

RG303/U

Configuration

- Flexible Cable
- 1 Shield(s)

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
Impedance		50		Ohms
Velocity of Propagation		69		%
Dielectric Withstanding Voltage (AC)			5,000	Vrms
Nominal Capacitance		32 [104.99]		pF/ft [pF/m]
Power@ 1GHz			650	Watts

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	400					MHz
Attenuation, Typ	8.6					dB/100ft
	28.22					dB/100m

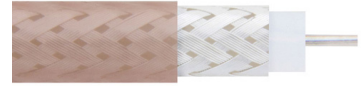
Mechanical Specifications

Diameter	0.17 in [4.32 mm]
Weight	0.027 lbs/ft [0.04 kg/m]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, Silver, 1 Strand	0.037 in [0.94 mm]
Conductor Type	Solid	
Dielectric	PTFE	0.116 in [2.95 mm]
First Shield	Silver Plated Copper Braid	0.146 in [3.71 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG303 Coax Cable Single Shielded with Tan FEP Jacket RG303/U](#)



Flexible RG303 Coax Cable Single Shielded with Tan FEP Jacket

RF Cables Technical Data Sheet

RG303/U

Jacket	FEP, Tan	0.17 in [4.32 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:

Flexible RG303 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.

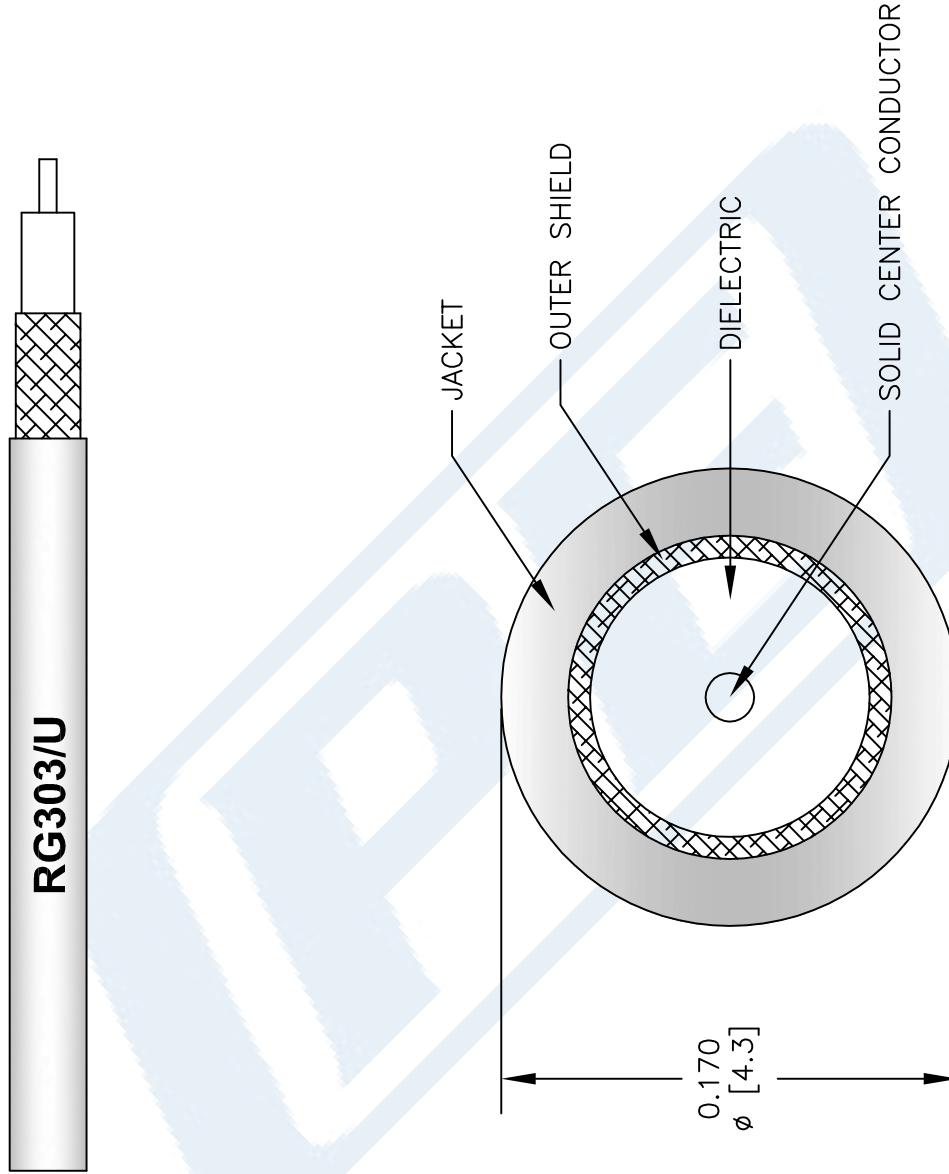
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG303 Coax Cable Single Shielded with Tan FEP Jacket RG303/U](#)

URL: <https://www.pasternack.com/flexible-0.170-rg303-50-ohm-coax-cable-fep-jacket-rg303-u-p.aspx>

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RG303/U CAD Drawing

Flexible RG303 Coax Cable Single Shielded with Tan FEP Jacket



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
RG303/U

REV. A FSCM NO. 53919

CAD FILE 022908-A

SCALE N/A

SIZE A

147

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