1.0/2.3 Male Right Angle Connector Crimp Attachment for LMR-195-FR, RG303, RG58, RG141, PE-C195, PE-P195, LMR-195, RG142, RG55, RG223



PE51767

Configuration

- 1.0/2.3 Male Connector
- 50 Ohms
- Right Angle Body Geometry
- Connector Interface Types: LMR-195-FR, RG303, RG58, RG141, PE-C195, PE-P195, LMR-195, RG142, RG55, RG223

Features

- Max. Operating Frequency 2 GHz
- Excellent VSWR of 1.2:1
- Gold over Nickel over Copper Plated Brass Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE51767 Right Angle 1.0/2.3 Male Connector Crimp Attachment for LMR-195-FR, RG303, RG58, RG141, PE-C195, PE-P195, LMR-195, RG142, RG55 and RG223 Cable is part of our full line of RF components available for same-day shipping. Our 1.0/2.3 male connector operates up to a maximum frequency of 2 GHz and offers excellent VSWR of 1.2:1. Its right angle body geometry allows for easier connections in tight spaces.

Our 1.0/2.3 male right angle connector PE51767 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		2	GHz
VSWR			1.2:1	
Insertion Loss			0.141	dB
Inner Conductor DC Resistance			10	mOhms
Outer Conductor DC Resistance			3	mOhms
Insulation Resistance	200			MOhms
Impedance		50		Ohms

Mechanical Specifications

Size

Length	0.85 in [21.59 mm]
Width	0.3 in [7.62 mm]
Height	0.815 in [20.7 mm]
Weight	0.01 lbs [4.54 g]
Mating Cycles	500 Cycles
Engagement Force	2.25lbs [1.02kg]
Disengagement Force	2.25lbs [1.02kg]

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1.0/2.3 Male Right Angle Connector Crimp Attachment for LMR-195-FR, RG303, RG58, RG141, PE-C195, PE-P195, LMR-195, RG142, RG55, RG223



PE51767

Material Specifications

Description	Material	Plating
Contact	Brass	Gold over Nickel over Copper
Insulation	Teflon	
Outer Conductor	Brass	Copper-Tin-Zinc Alloy
Body	Brass	Copper-Tin-Zinc Alloy

Environmental Specifications

Temperature

Operating Range	-55 to +125 deg C
Humidity	MIL-STD-202, Method 106
Thermal Shock	MIL-STD-202, Method 107, Condition B
Salt Spray	MIL-STD-202, Method 101, Condition B

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

1.0/2.3 Male Right Angle Connector Crimp Attachment for LMR-195-FR, RG303, RG58, RG141, PE-C195, PE-P195, LMR-195, RG142, RG55, RG223 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: 1.0/2.3 Male Right Angle Connector Crimp Attachment for LMR-195-FR, RG303, RG58, RG141, PE-C195, PE-P195, LMR-195, RG142, RG55, RG223 PE51767

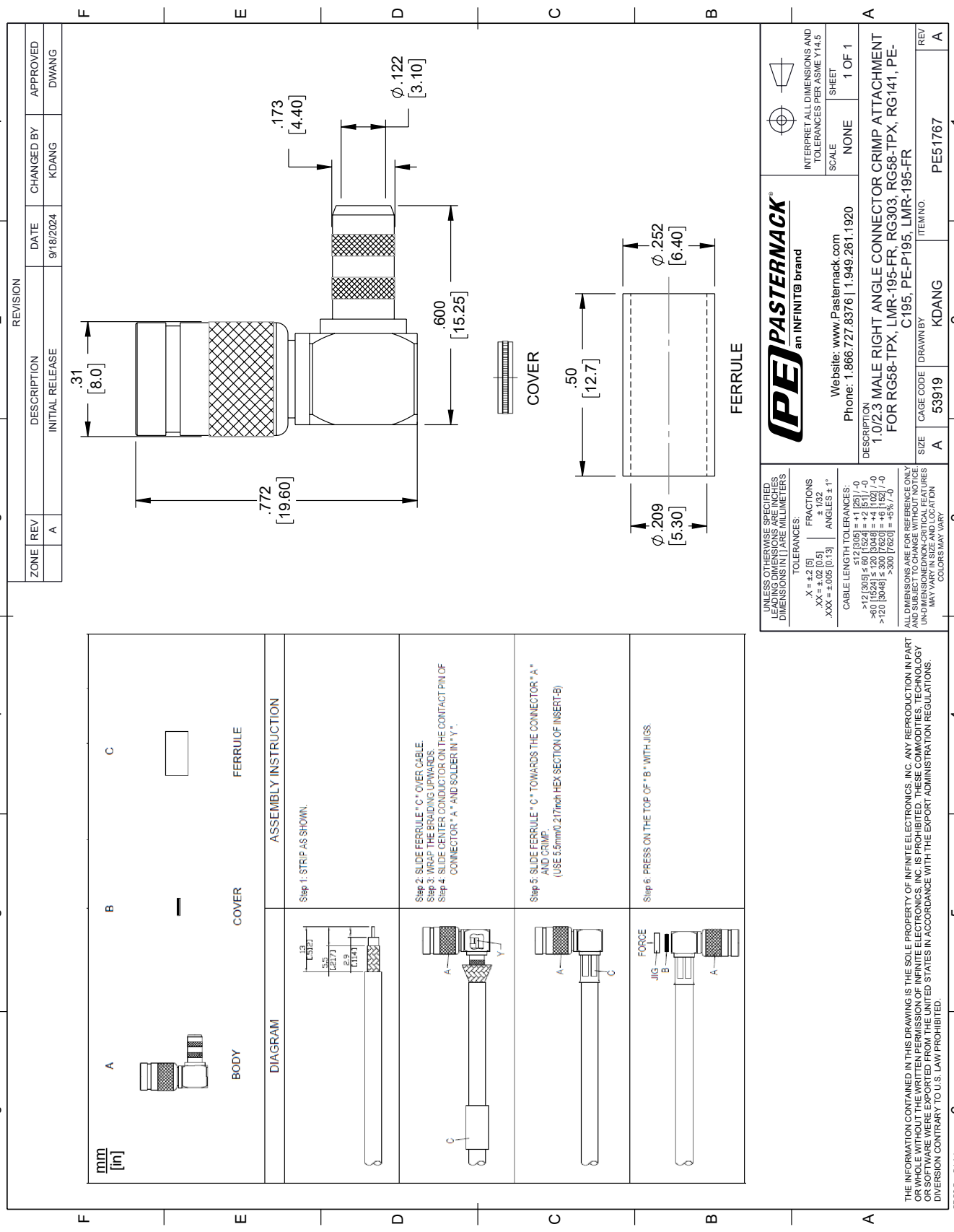
URL: https://www.pasternack.com/1.0-2.3-male-fr-rg303-rg141-pe-c195-pe-p195-connector-pe51767.html

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PE51767 CAD Drawing

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PE51767

Configuration

- 1.0/2.3 Male Connector
- 50 Ohms
- Right Angle Body Geometry
- Connector Interface Types: LMR-195-FR, RG303, RG58, RG141, PE-C195, PE-P195, LMR-195, RG142, RG55, RG223

Features

- Max. Operating Frequency 2 GHz
- Excellent VSWR of 1.2:1
- Gold over Nickel over Copper Plated Brass Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE51767 Right Angle 1.0/2.3 Male Connector Crimp Attachment for LMR-195-FR, RG303, RG58, RG141, PE-C195, PE-P195, LMR-195, RG142, RG55 and RG223 Cable is part of our full line of RF components available for same-day shipping. Our 1.0/2.3 male connector operates up to a maximum frequency of 2 GHz and offers excellent VSWR of 1.2:1. Its right angle body geometry allows for easier connections in tight spaces.

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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		2	GHz
VSWR			1.2:1	
Insertion Loss			0.141	dB
Inner Conductor DC Resistance			10	mOhms
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Insulation Resistance	200			MOhms
Impedance		50		Ohms

Mechanical Specifications

Size

Length	0.85 in [21.59 mm]
Width	0.3 in [7.62 mm]
Height	0.815 in [20.7 mm]
Weight	0.01 lbs [4.54 g]
Mating Cycles	500 Cycles
Engagement Force	2.25lbs [1.02kg]
Disengagement Force	2.25lbs [1.02kg]

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1.0/2.3 Male Right Angle Connector Crimp Attachment for LMR-195-FR, RG303, RG58, RG141, PE-C195, PE-P195, LMR-195, RG142, RG55, RG223



PE51767

Material Specifications

Description	Material	Plating
Contact	Brass	Gold over Nickel over Copper
Insulation	Teflon	
Outer Conductor	Brass	Copper-Tin-Zinc Alloy
Body	Brass	Copper-Tin-Zinc Alloy

Environmental Specifications

Temperature

Operating Range	-55 to +125 deg C
Humidity	MIL-STD-202, Method 106
Thermal Shock	MIL-STD-202, Method 107, Condition B
Salt Spray	MIL-STD-202, Method 101, Condition B

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

1.0/2.3 Male Right Angle Connector Crimp Attachment for LMR-195-FR, RG303, RG58, RG141, PE-C195, PE-P195, LMR-195, RG142, RG55, RG223 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: 1.0/2.3 Male Right Angle Connector Crimp Attachment for LMR-195-FR, RG303, RG58, RG141, PE-C195, PE-P195, LMR-195, RG142, RG55, RG223 PE51767

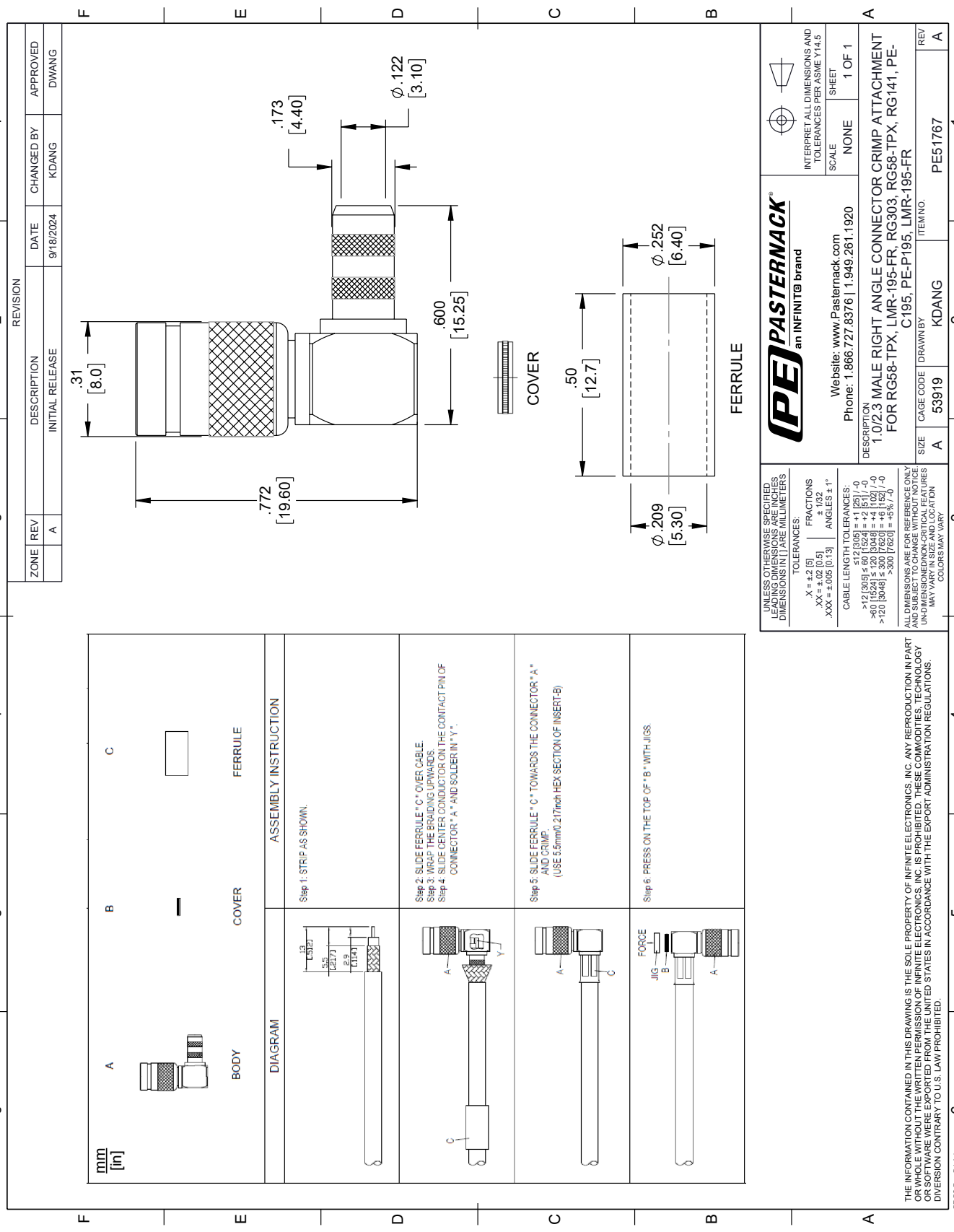
URL: https://www.pasternack.com/1.0-2.3-male-fr-rg303-rg141-pe-c195-pe-p195-connector-pe51767.html

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PE51767 CAD Drawing

1.0/2.3 Male Right Angle Connector Crimp Attachment for LMR-195-FR, RG303, RG58, RG141, PE-C195, PE-P195, LMR-195, RG142, RG55, RG223



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PASTERNACK®
THE ENGINEER'S RF SOURCE



Low Loss Flexible RG58 Type Coax Cable Double Shielded with Black PE Jacket

RF Cables Technical Data Sheet PE-C195

Configuration

- Low Loss Flexible Cable
- 2 Shield(s)

Features

- Low Loss
- Double Shielded
- PE Jacket
- Velocity of Propagation 80%
- Shielding Effectiveness > 90 dB

Applications

- Antenna Feeds
- Communication Systems
- Wireless Systems
- Indoor / Outdoor Uses
- Direct Burial
- Jumper Cable Assemblies

Description

Flexible coaxial cable are ideal for applications where tight bends and continual flexure are required. Pasternack's PE-C195 is a low loss flexible RG58 type coax cable with PE jacket. The double shielding of this low loss cable provides better electrical performance than the standard RG-58 cable including excellent shielding effectiveness of better than 90 dB. This Pasternack cable's PE jacket makes it suitable for indoor/outdoor uses and direct burial applications. PE-C195 RG58 type datasheet specifications and outline drawing for this flexible cable are shown in the PDF below.

Pasternack carries a wide range of cables ready to ship same day to fit your needs. They are available in corrugated, flexible, formable or semi-rigid versions with different constructions of conductor materials, dielectric materials, shielding configurations and jacket materials. Our cables are designed to fit a wide range of performance criteria including attenuation, operating temperature, environmental factor, and power capability.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		5.8	GHz
Cutoff Frequency		41		GHz
Impedance		50		Ohms
Velocity of Propagation		80		%
Shielding Effectiveness	90			dB
Jacket Spark			5,000	Vrms
Nominal Capacitance		25.4 [83.33]		pF/ft [pF/m]
Input Power (Peak)			2.5	KWatts

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Low Loss Flexible RG58 Type Coax Cable Double Shielded with Black PE Jacket PE-C195

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Low Loss Flexible RG58 Type Coax Cable Double Shielded with Black PE Jacket

RF Cables Technical Data Sheet PE-C195

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.15	0.22	0.45	0.9	1.5	GHz
Attenuation, Max	4.4	5.4	7.8	11.1	14.5	dB/100ft
	14.44	17.72	25.59	36.42	47.57	dB/100m
Attenuation, Typ	4.3	5.2	7.5	10.7	13.4	dB/100ft
	14.11	17.06	24.61	35.1	43.96	dB/100m
Input Power (CW), Max	350	290	200	140	110	Watts

Description	F6	F7	F8	F9	F10	Units
Frequency	1.8	2	2.5	5.8		GHz
Attenuation, Max	16	16.9	19	29.9		dB/100ft
	52.49	55.45	62.34	98.1		dB/100m
Attenuation, Typ	15.3	16.1	18.1	28.2		dB/100ft
	50.2	52.82	59.38	92.52		dB/100m
Input Power (CW), Max	100	90	80	50		Watts

Mechanical Specifications

Diameter	0.195 in [4.95 mm]
Weight	0.021 lbs/ft [0.03 Kg/m]
Min. Bend Radius (Installation)	0.5 in [12.7 mm]
Min. Bend Radius (Repeated)	2 in [50.8 mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, 1 Strands	0.037 in [0.94 mm]
Conductor Type	Solid	
Dielectric	PE (F)	0.11 in [2.79 mm]
First Shield	Aluminum Tape	

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Low Loss Flexible RG58 Type Coax Cable Double Shielded with Black PE Jacket PE-C195

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Low Loss Flexible RG58 Type Coax Cable Double Shielded with Black PE Jacket

Second Shield	Tinned Copper Braid	0.139 in [3.53 mm]
Jacket	PE, Black	0.195 in [4.95 mm]

Environmental Specifications

Temperature

Operating Range	-40 to +85 deg C
Installation Range	-70 to +85 deg C
Storage Range	-40 to +85 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Low Loss Flexible RG58 Type Coax Cable Double Shielded with Black PE 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-0.195-50-ohm-coax-cable-pe-jacket-pe-c195-p.aspx

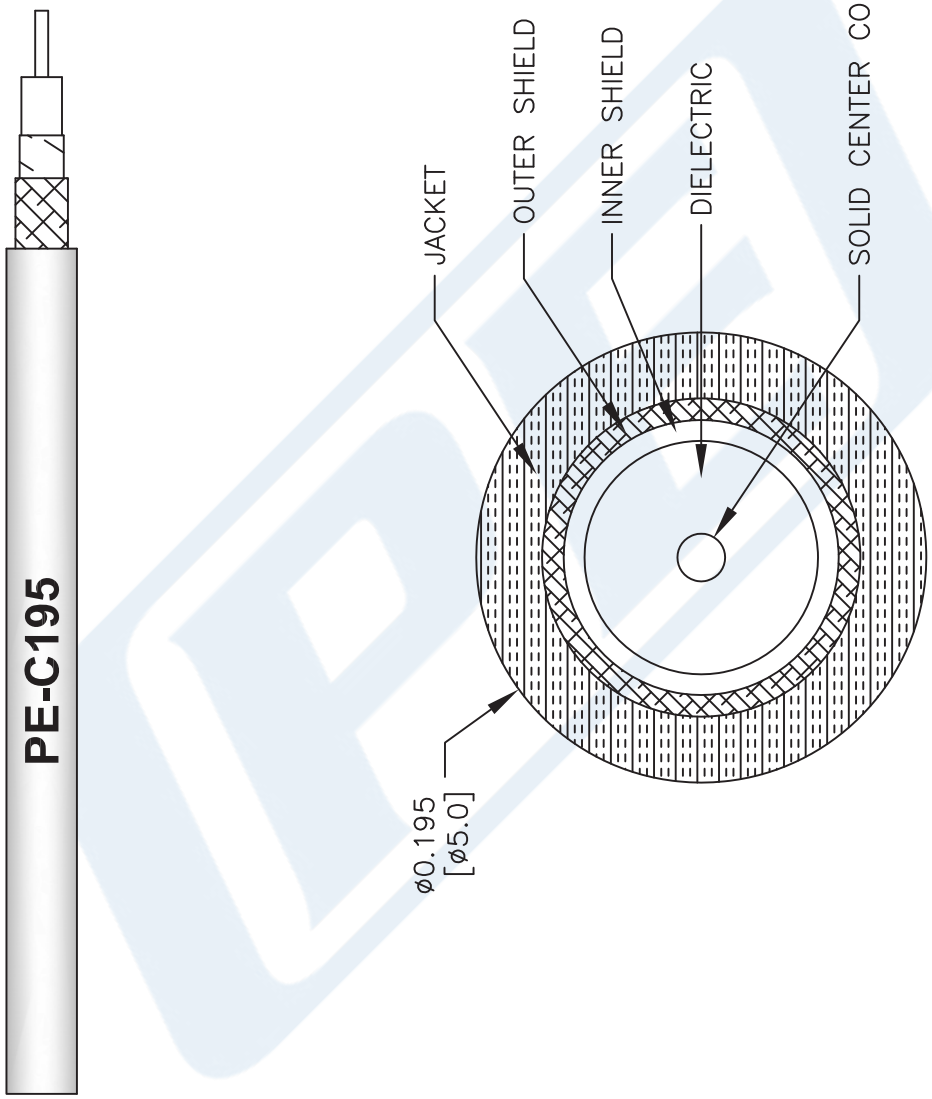
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PE-C195 CAD Drawing

Low Loss Flexible RG58 Type Coax Cable Double Shielded with Black PE 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: PE-C195

CAD FILE 111716 | SCALE N/A | SIZE A | 41742

FSCM NO. 53919

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