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

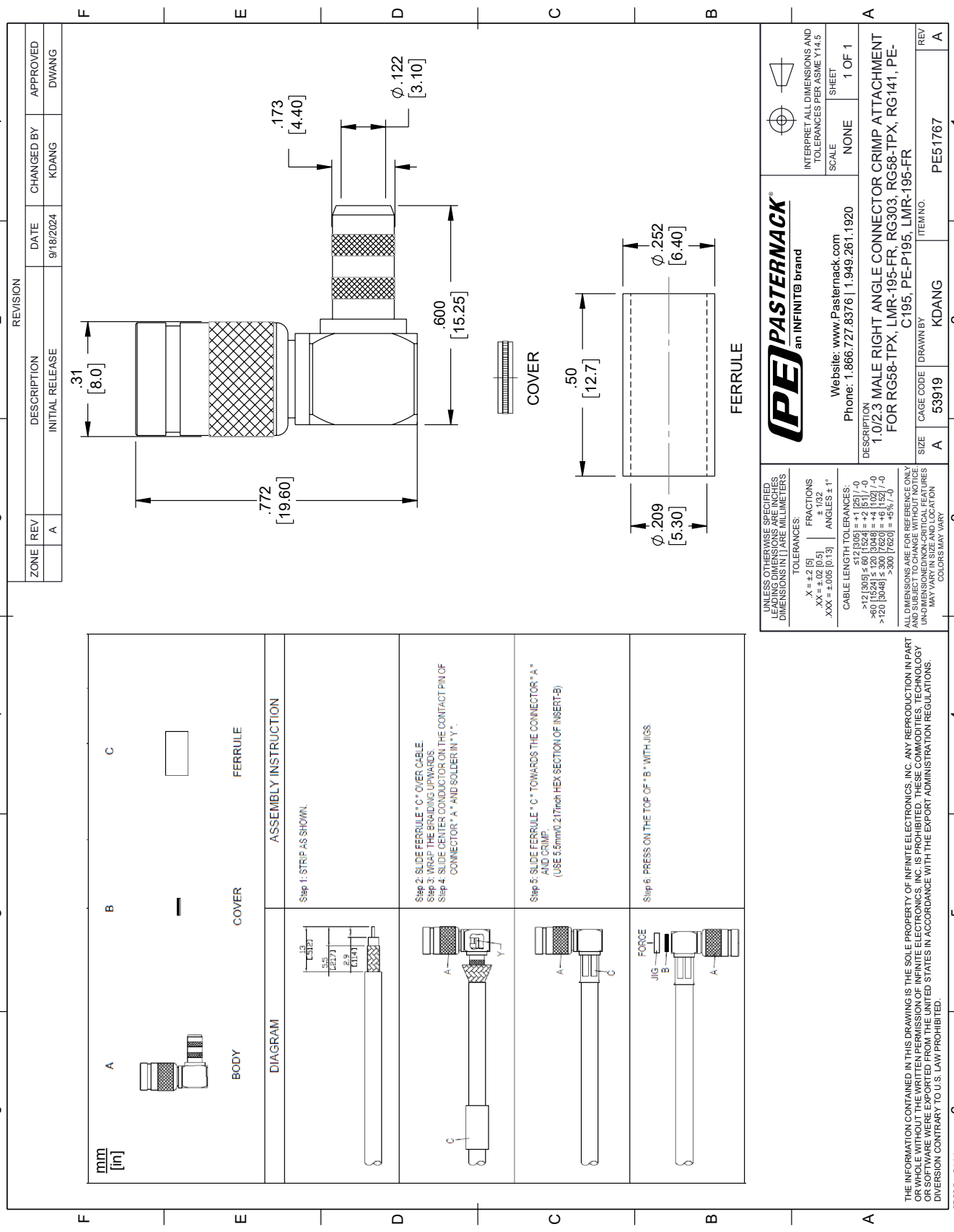
URL: https://www.pasternack.com/1.0-2.3-male-fr-rg303-rg141-pe-c195-pe-p195-connector-pe51767.html

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PE51767 CAD Drawing

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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SMA Male Connector Crimp/Solder Attachment for RG55, RG142, RG223, RG400, RG141



PE4008

Configuration

- SMA Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG55, RG142, RG223, RG400, RG141
- 16-May inch Hex

Features

- Max. Operating Frequency 12.4 GHz
- Good VSWR of 1.28:1
- Gold Plated Brass Contact
- 50 µin minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4008 SMA Male Connector Crimp/Solder Attachment for RG55, RG142, RG223, RG400 and RG141 Cable is part of our full line of RF components available for same-day shipping. Our SMA male connector operates up to a maximum frequency of 12.4 GHz and offers good VSWR of 1.28:1.

Our SMA male connector PE4008 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		12.4	GHz
VSWR			1.28:1	
Operating Voltage (AC)			500	Vrms
Impedance		50		Ohms

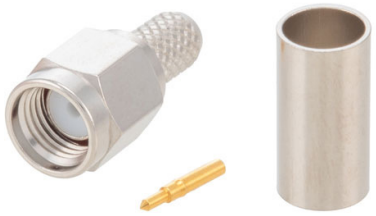
Mechanical Specifications

Size

Length	0.901 in [22.89 mm]
Width	0.315 in [8 mm]
Weight	0.015 lbs [6.8 g]
Mating Torque	3 to 5 in-lbs [[0.34 to 0.57 Nm]]

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SMA Male Connector Crimp/Solder Attachment for RG55, RG142, RG223, RG400, RG141



PE4008

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 50 µin minimum
Insulation	PTFE	
Body	Brass	Nickel 100 µin minimum
Coupling Nut	Brass	Nickel 100 µin minimum
Crimp Sleeve	Brass	Nickel

Environmental Specifications

Temperature

Operating Range	-65 to 165 deg C

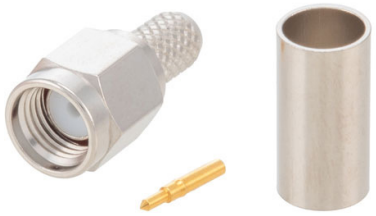
Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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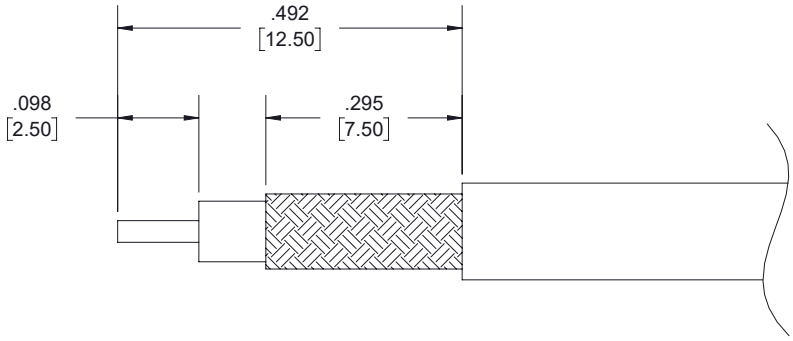
SMA Male Connector Crimp/Solder Attachment for RG55, RG142, RG223, RG400, RG141



PE4008

Assembly Instruction

*



ASSEMBLY PROCEDURES

1. STRIP CABLE TO THE DIMENSIONS SHOWN, DO NOT NICK CENTER CONDUCTOR OR BRAID.
2. PUSH CENTER CONDUCTOR FULLY INTO CONTACT AND SOLDER, REMOVE ANY EXCESS SOLDER .
3. FLARE BRAID AND INSERT CONTACT INTO THE BODY UNTIL IT SEATS.
4. SLIDE FERRULE OVER BRAID AND CRIMP WITH CRIMP TOOL.

CRIMP SIZE REQUIRED

- CONTACT: SOLDER.
- FERRULE: .213 HEX CRIMP TOOL.

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SMA Male Connector Crimp/Solder Attachment for RG55, RG142, RG223, RG400, RG141



PE4008

SMA Male Connector Crimp/Solder Attachment for RG55, RG142, RG223, RG400, RG141 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 Male Connector Crimp/Solder Attachment for RG55, RG142, RG223, RG400, RG141 PE4008

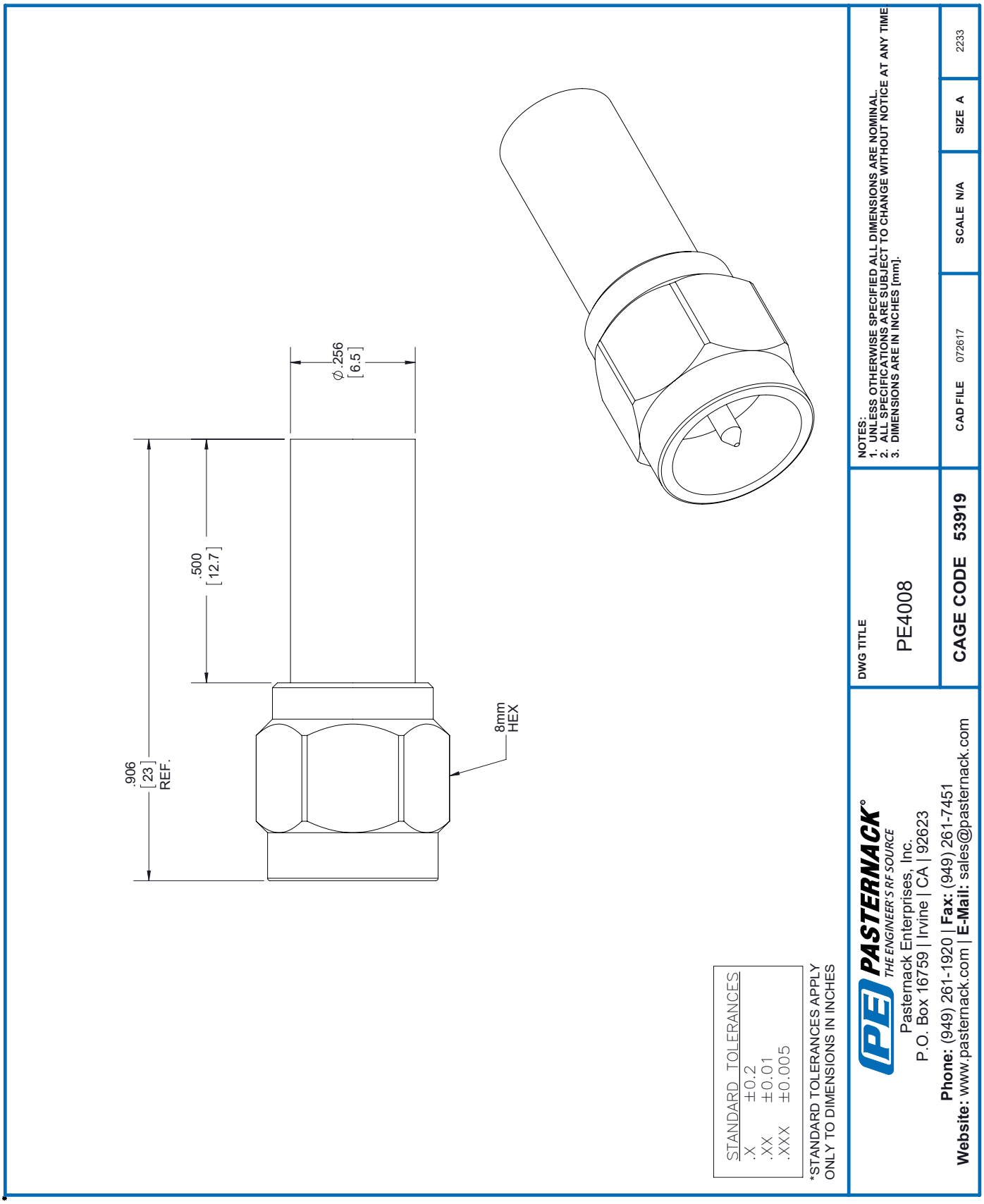
URL: https://www.pasternack.com/sma-male-standard-rg55-rg142-rg223-rg400-connector-pe4008.html

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PE4008 CAD Drawing

SMA Male Connector Crimp/Solder Attachment for RG55, RG142, RG223, RG400, RG141



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PASTERNACK®
THE ENGINEER'S RF SOURCE



Flexible RG223 Coax Cable Double Shielded with Black PVC Jacket

TECHNICAL DATA SHEET RG223/U

Configuration

Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PE
Shield Materials	Silver Plated Copper Braid, Silver Plated Copper Braid
Jacket Material and Color	PVC, Black

Electrical Specifications

Impedance, Ohms	50
Velocity of Propagation, %	66
Maximum Operating Frequency, GHz	12.4
Capacitance, pF/ft [pF/m]	30.8 [101.05]
Maximum Operating Voltage, Volts	1,900

Electrical Specifications by Frequency

Frequency 1

Frequency, MHz	100
Attenuation, dB/100ft [dB/100m]	4 [13.12]

Frequency 2

Frequency, MHz	400
Attenuation, dB/100ft [dB/100m]	8.2 [26.9]

Frequency 3

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	13.4 [43.96]

Frequency 4

Frequency, GHz	3
Attenuation, dB/100ft [dB/100m]	24.8 [81.36]

Frequency 5

Frequency, GHz	5
Attenuation, dB/100ft [dB/100m]	33.5 [109.91]

Frequency 6

Frequency, GHz	11
Attenuation, dB/100ft [dB/100m]	54.1 [177.49]

Mechanical Specifications

Temperature

Operating Range, deg C	-20 to +80

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Flexible RG223 Coax Cable Double Shielded with Black PVC Jacket RG223/U

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Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
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Flexible RG223 Coax Cable Double Shielded with Black PVC Jacket

TECHNICAL DATA SHEET RG223/U

Inner Conductor	
Number of Strands	1
Material	Copper
Plating	Silver
Diameter, in [mm]	0.035 [0.89]
Dielectric:	
Type	PE
Diameter, in [mm]	0.116 [2.95]
Shield:	
Number of	2
Material 1	Silver Plated Copper Braid
Material 2	Silver Plated Copper Braid
Diameter, in [mm]	0.156 [3.96]
Jacket:	
Material	PVC
Diameter, in [mm]	0.21 [5.33]
Color	Black
One Time Minimum Bend Radius, in [mm]	0.21 [5.33]
Repeated Minimum Bend Radius, in [mm]	1 [25.4]
Weight, lbs/ft [Kg/m]	0.038 [0.06]

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant	
REACH Compliant	06/18/2012

Plotted and Other Data

Notes:

- Values at +25 °C, sea level

Flexible RG223 Coax Cable Double Shielded with Black PVC Jacket 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: Flexible RG223 Coax Cable Double Shielded with Black PVC Jacket RG223/U

URL: http://www.pasternack.com/flexible-0.216-rg223-50-ohm-coax-cable-pvc-jacket-rg223-u-p.aspx

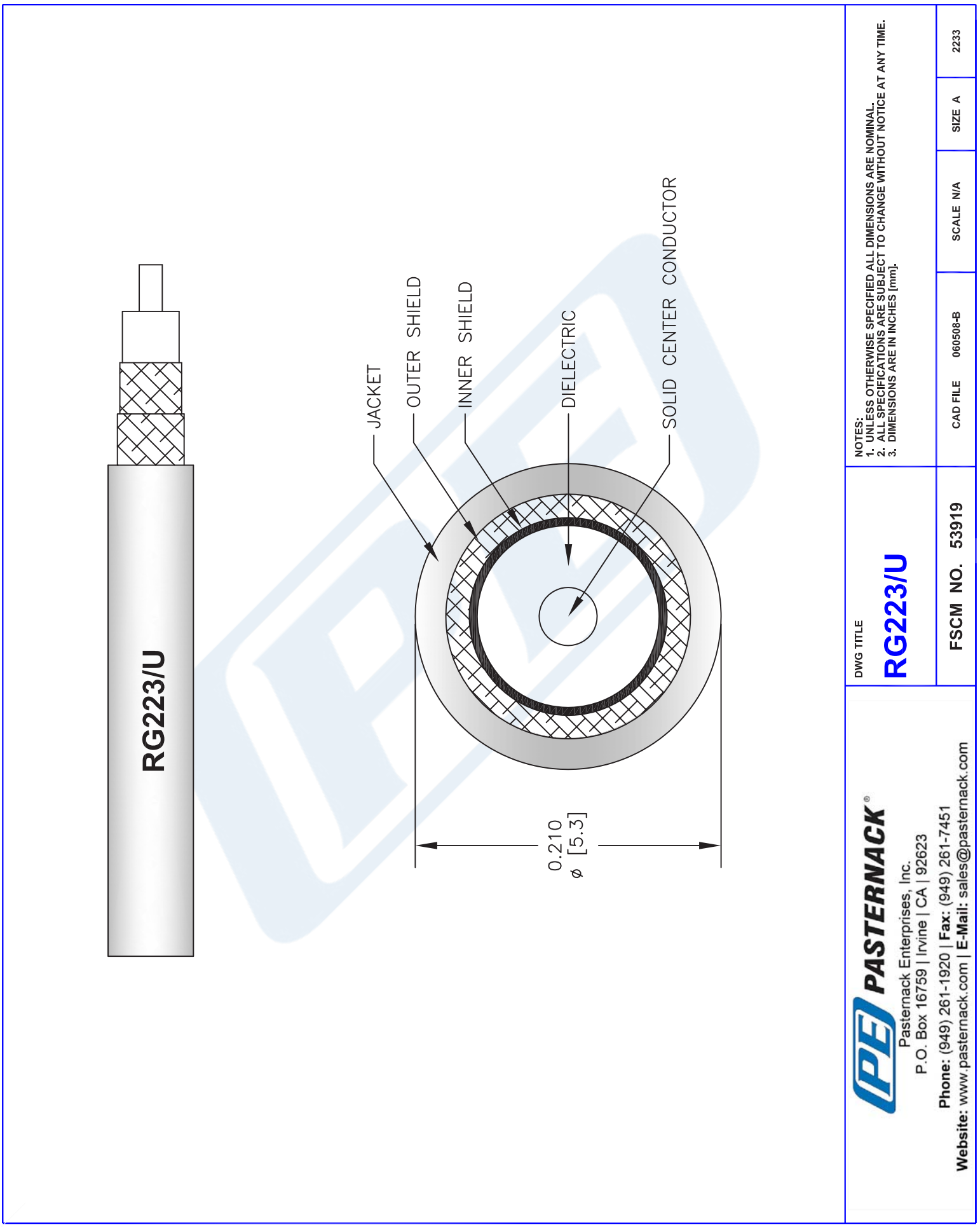
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RG223/U CAD Drawing

Flexible RG223 Coax Cable Double Shielded with Black PVC Jacket



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