



BNC Male Right Angle Connector Clamp/Solder Attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195

RF Connectors Technical Data Sheet

PE4053

Configuration

- BNC Male Connector
- MIL-STD-348A
- 50 Ohms
- Right Angle Body Geometry
- Connector Interface Types: RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195

Features

- Max. Operating Frequency 1 GHz
- Good VSWR of 1.5:1
- Gold Plated Brass Contact
- 30 μ m minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4053 BNC male right angle connector with clamp/solder attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195 and LMR-195 is part of our full line of RF components available for same-day shipping. Our BNC male connector operates up to a maximum frequency of 1 GHz and offers good VSWR of 1.5:1. Its right angle body geometry allows for easier connections in tight spaces.

Our BNC male right angle connector PE4053 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 | | | 1.5:1 | |
| Operating Voltage (AC) | | | 500 | Vrms |

Mechanical Specifications

| | |
|-------------|---------------------|
| Size | |
| Length | 1.453 in [36.91 mm] |
| Width/Dia. | 0.571 in [14.50 mm] |
| Height | 1.102 in [27.99 mm] |
| Weight | 0.077 lbs [34.93 g] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male Right Angle Connector Clamp/Solder Attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195 PE4053](#)



BNC Male Right Angle Connector Clamp/Solder
Attachment for RG58, RG55, RG141, RG142, RG223,
RG400, RG303, PE-C195, PE-P195, LMR-195

RF Connectors Technical Data Sheet

PE4053

Material Specifications

| Description | Material | Plating |
|--------------|----------|---------------------------|
| Contact | Brass | Gold 30 µin minimum |
| Insulation | PTFE | |
| Body | Brass | Nickel 100 µin minimum |
| Coupling Nut | Brass | Nickel 100 µin minimum |

Mechanical Specification Notes:

When attaching the connector to the cable use a clamp torque value of 26 to 30 in-lbs [2.94 to 3.39 Nm]

Environmental Specifications

Temperature

Operating Range -65 to +165 deg C

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

Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male Right Angle Connector Clamp/Solder Attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195 PE4053](#)

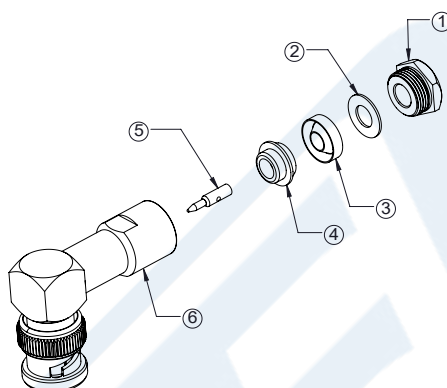


**BNC Male Right Angle Connector Clamp/Solder
Attachment for RG58, RG55, RG141, RG142, RG223,
RG400, RG303, PE-C195, PE-P195, LMR-195**

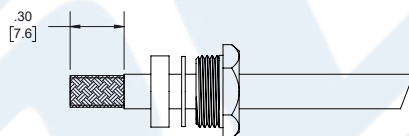
**RF Connectors
Technical Data Sheet**

PE4053

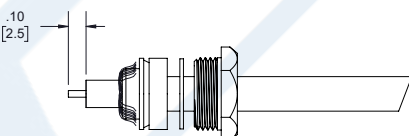
Assembly Instruction



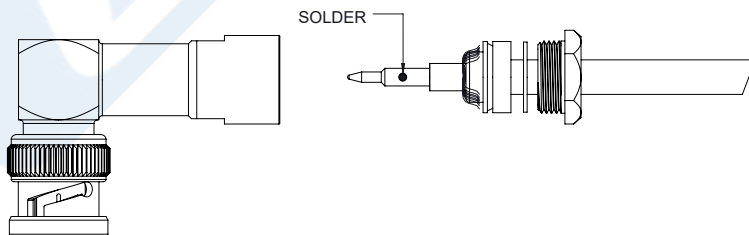
1. SLIDE CLAMP NUT (1), WASHER (2) & GASKET (3) OVER CABLE. STRIP CABLE AS SHOWN. DO NOT NICK BRAID WHILE CUTTING JACKET. TAPER END OF BRAID TO PERMIT ASSEMBLY OF CLAMP.



2. SLIDE BRAID CLAMP (4) OVER BRAID & SEAT AGAINST CABLE. FORM BRAID OVER CLAMP NUT (4). TRIM BRAID BACK TO SHOULDER. CUT DIELECTRIC & CENTER CONDUCTOR TO DIMENSION SHOWN. DO NOT NICK CENTER CONDUCTOR.



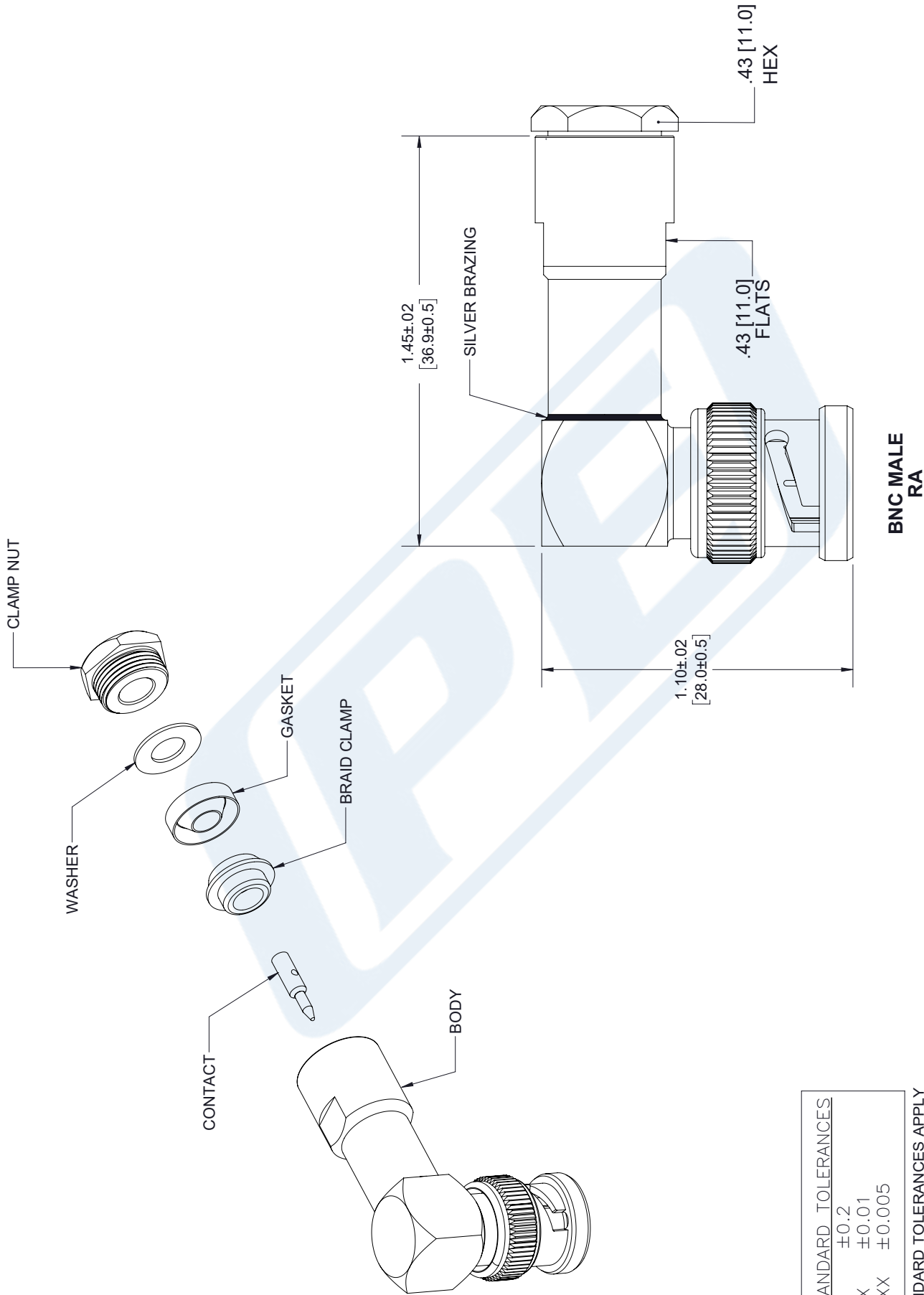
3. SOLDER CONTACT (5) TO CENTER CONDUCTOR. REMOVE EXCESS SOLDER. DO NOT OVER HEAT DIELECTRIC. INSERT CABLE ASSEMBLY INTO BODY (6) & TIGHTEN.



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PE4053 CAD Drawing

BNC Male Right Angle Connector Clamp/Solder Attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195



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

PE4053

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].

CAGE CODE 53919

CAD FILE 04/09/18

SCALE N/A

SIZE A

7316



Banana Plug Connector Crimp/Solder Attachment for RG55, RG142, RG223, RG400

RF Connectors Technical Data Sheet

PE4089

Configuration

- Banana Plug Connector
- Straight Body Geometry

- Connector Interface Types: RG55, RG142, RG223, RG400

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4089 Banana plug connector with crimp/solder attachment for RG55, RG142, RG223 and RG400 is part of our full line of RF components available for same-day shipping.

Our Banana plug connector PE4089 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.

Mechanical Specifications

Weight

0.048 lbs [21.77 g]

Material Specifications

| Description | Material | Plating |
|-------------|----------|---------|
| Body | Brass | Nickel |

Environmental Specifications

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

Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Banana Plug Connector Crimp/Solder Attachment for RG55, RG142, RG223, RG400 PE4089](#)



Banana Plug Connector Crimp/Solder Attachment for RG55, RG142, RG223, RG400

RF Connectors Technical Data Sheet

PE4089

Banana Plug Connector Crimp/Solder Attachment for RG55, RG142, RG223, RG400 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: [Banana Plug Connector Crimp/Solder Attachment for RG55, RG142, RG223, RG400 PE4089](https://www.pasternack.com/banana-plug-rg55-rg142-rg223-rg400-connector-pe4089-p.aspx)

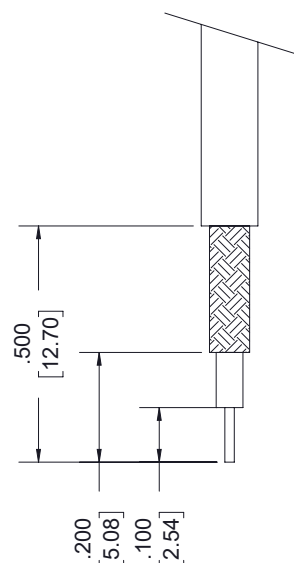
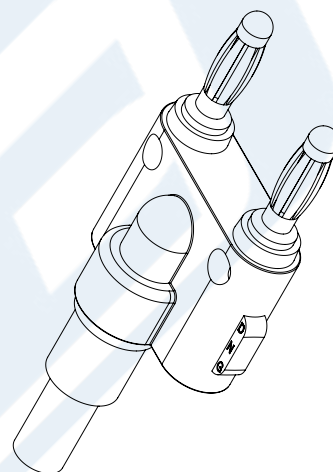
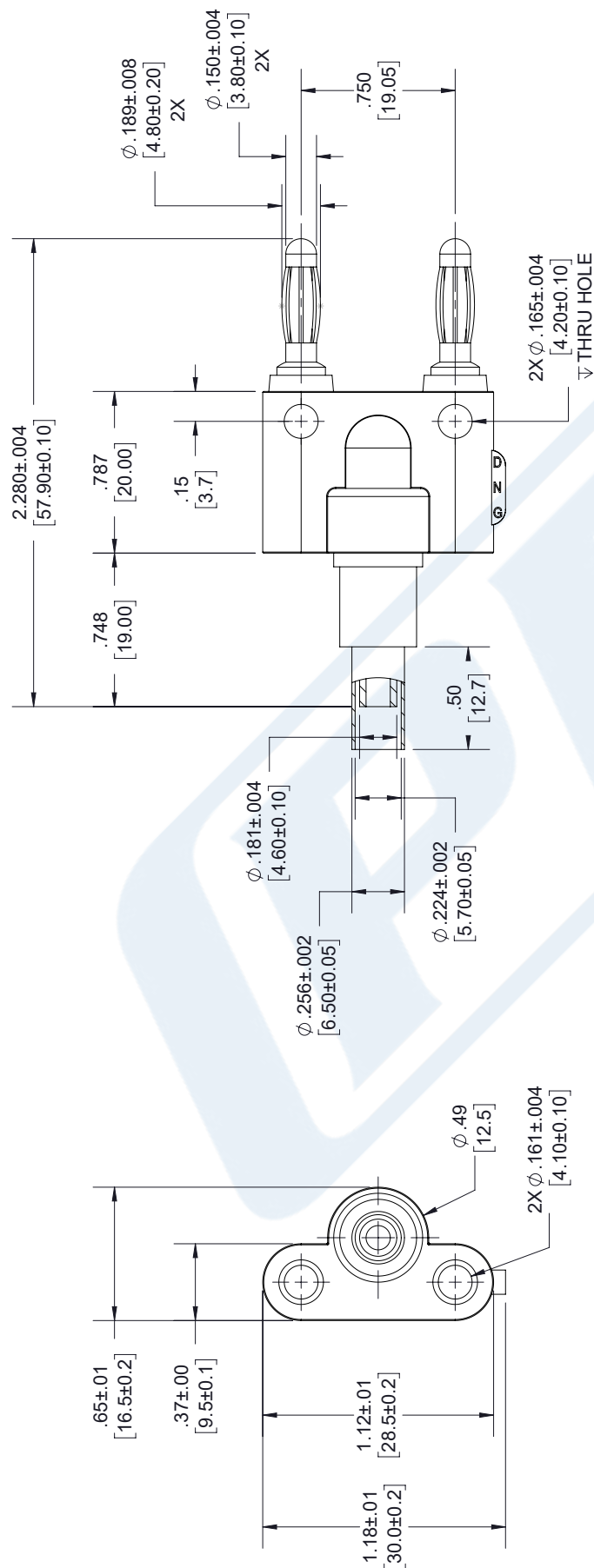
URL: <https://www.pasternack.com/banana-plug-rg55-rg142-rg223-rg400-connector-pe4089-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

PE4089 CAD Drawing

Banana Plug Connector Crimp/Solder Attachment for RG55, RG142, RG223, RG400

| REVISIONS | | | |
|-----------|-------------|-----------|----------|
| REV. | DESCRIPTION | DATE | APPROVED |
| A | POR 4301 | 1/14/2020 | SELLIS |



STRIPPING DIMENSIONS

NOTES:

1. CABLE ATTACHMENT:
 - OUTER: CRIMP.
 - INNER: SOLDER.
2. CRIMP SIZE REQUIRED:
 - FERRULE: .213 [5.41] HEX. CRIMP TOOL.
 - CONTACT: SOLDER.

UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:

X = ±.2 [5.08] FRACTIONS
.XX = ±.02 [.51] ± 1/32
.XXX = ±.005 [.13] ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305] = +1 [25] / -0
12 [305] < L ≤ 60 [1524] = +2 [51] / -0
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
300 [7620] < L = +5% / -0

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

SCALE N/A

REV A



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SIZE A CAGE CODE 53919 DRAWN BY K.DANG ITEM NO. PE4089



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](#)



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.

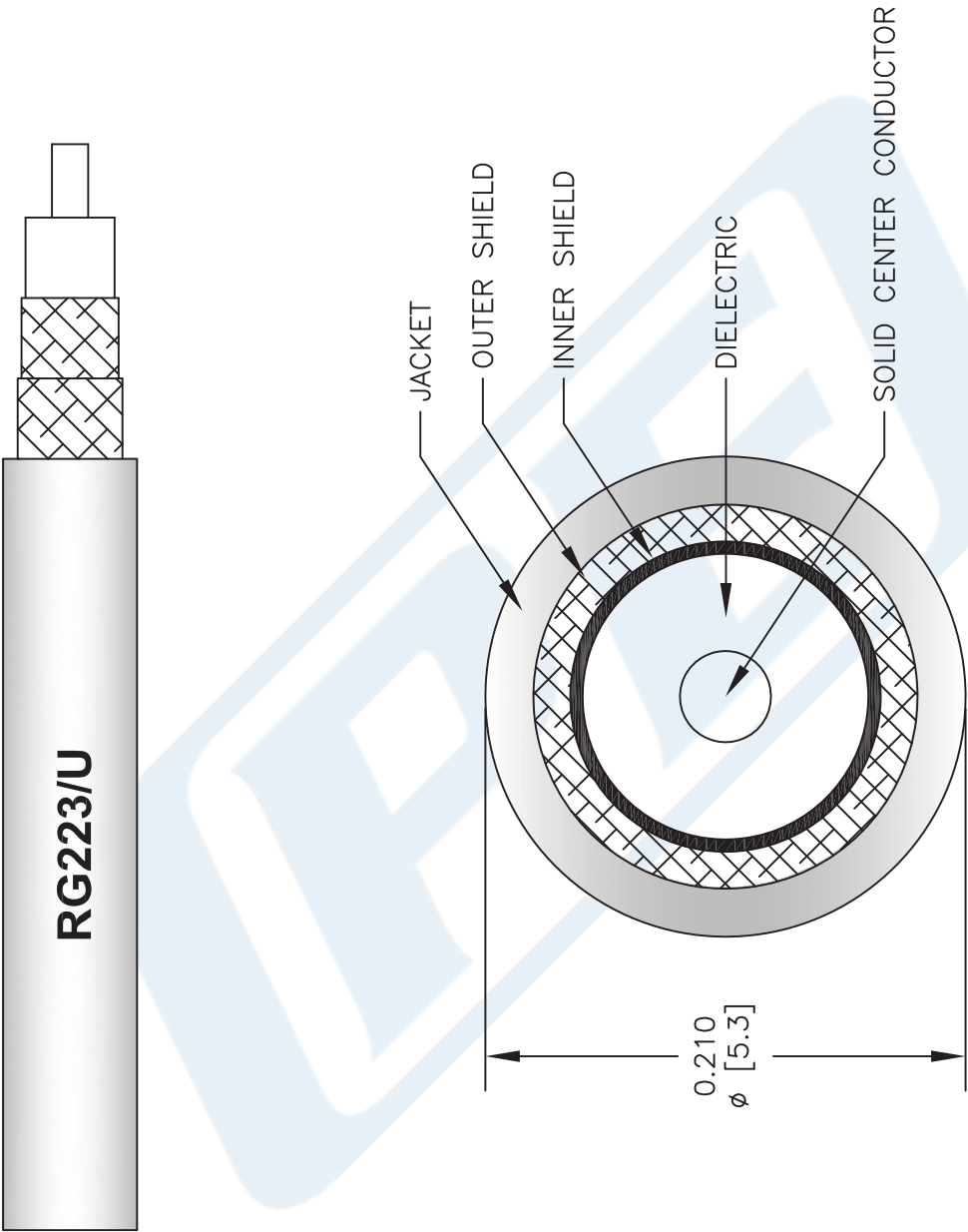
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG223 Coax Cable Double Shielded with Black PVC Jacket RG223/U](#)

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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3. DIMENSIONS ARE IN INCHES [mm].

DWG TITLE
RG223/U

FSCM NO. 53919

2233

SIZE A

SCALE N/A

CAD FILE 060508-B

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