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

RF Connectors
Technical Data Sheet   PE44788

Configuration

- N Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- RG223, RG142, RG400, RG55 Interface Type
- Crimp/Solder Attachment
- 18 mm Hex

Features

- Max. Operating Frequency 11 GHz
- Gold Plated Brass Contact
- 30 µin contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44788 type N male connector with crimp/solder attachment for RG223, RG142, RG400 and RG55 is part of our full line of RF components available for same-day shipping. Our type N male connector operates up to a maximum frequency of 11 GHz.

Our type N male connector PE44788 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		11	GHz
Operating Voltage (AC)			1,500	Vrms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 6					GHz
VSWR, Max	1.3:1					

Mechanical Specifications

Size

Length	1.37 in [34.8 mm]
Width/Dia.	0.83 in [21.08 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: N Male Connector Crimp/Solder Attachment for RG223, RG142, RG400, RG55 PE44788

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

RF Connectors
Technical Data Sheet

Weight	0.068 lbs [30.84 g]
Mating Torque	9 in-lbs [1.02 Nm]

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 µin
Insulation	PTFE	
Body	Brass	Tri-Metal
Coupling Nut	Brass	Tri-Metal

Environmental Specifications
Temperature

Operating Range	-65 to +165 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data
Notes:

N Male Connector Crimp/Solder Attachment for RG223, RG142, RG400, RG55 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.
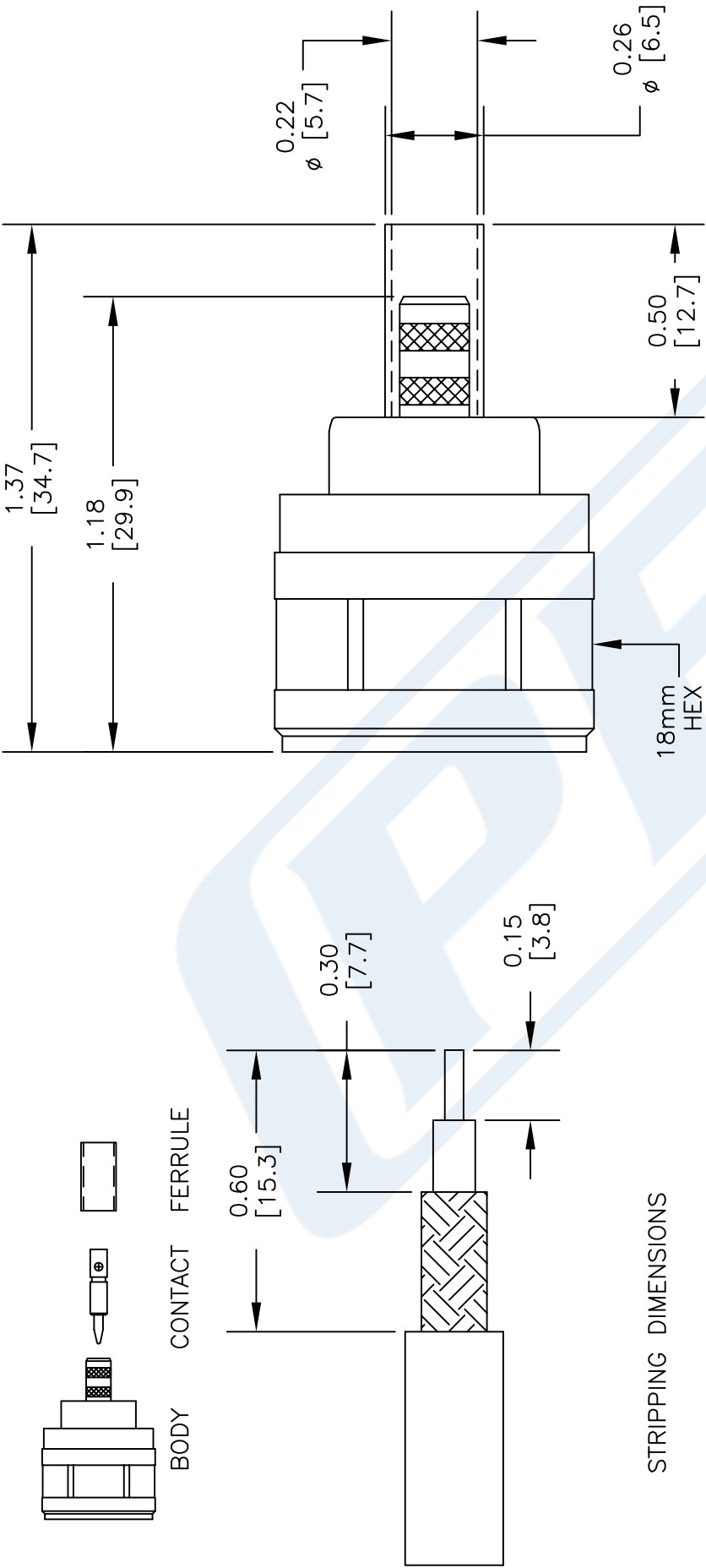
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: N Male Connector Crimp/Solder Attachment for RG223, RG142, RG400, RG55 PE44788

URL: https://www.pasternack.com/n-male-standard-rg223-rg142-rg400-rg55-connector-pe44788-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.

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Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451

Sales@Pasternack.com • Techsupport@Pasternack.com

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PE44788 CAD Drawing

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

0.22 ø [5.7]

0.26 ø [6.5]

1.37 [34.7]

1.18 [29.9]

0.50 [12.7]

18mm HEX

FERRULE

CONTACT

BODY

0.30 [7.7]

0.15 [3.8]

0.60 [15.3]

STRIPPING DIMENSIONS

<u>CRIMP SIZE REQUIRED</u>

CONTACT: .100" HEX CRIMP TOOL
FERRULE: .213" HEX CRIMP TOOL

SIZE A	150
SCALE N/A	
CAD FILE 100813	

DWG TITLE

PE44788

FSCM NO. 53919

PE44788 REV 1.1

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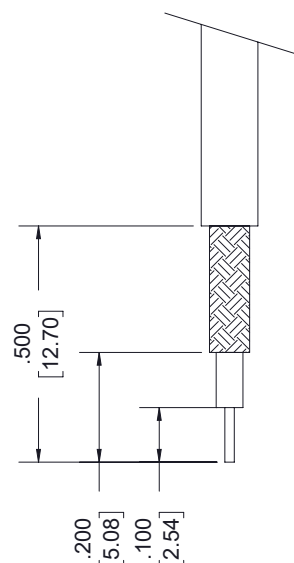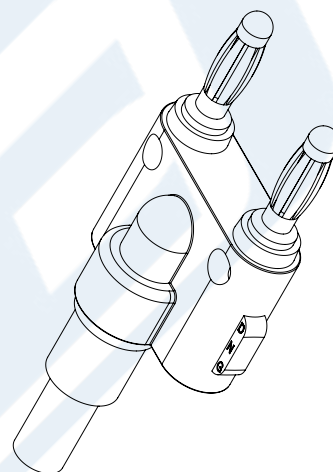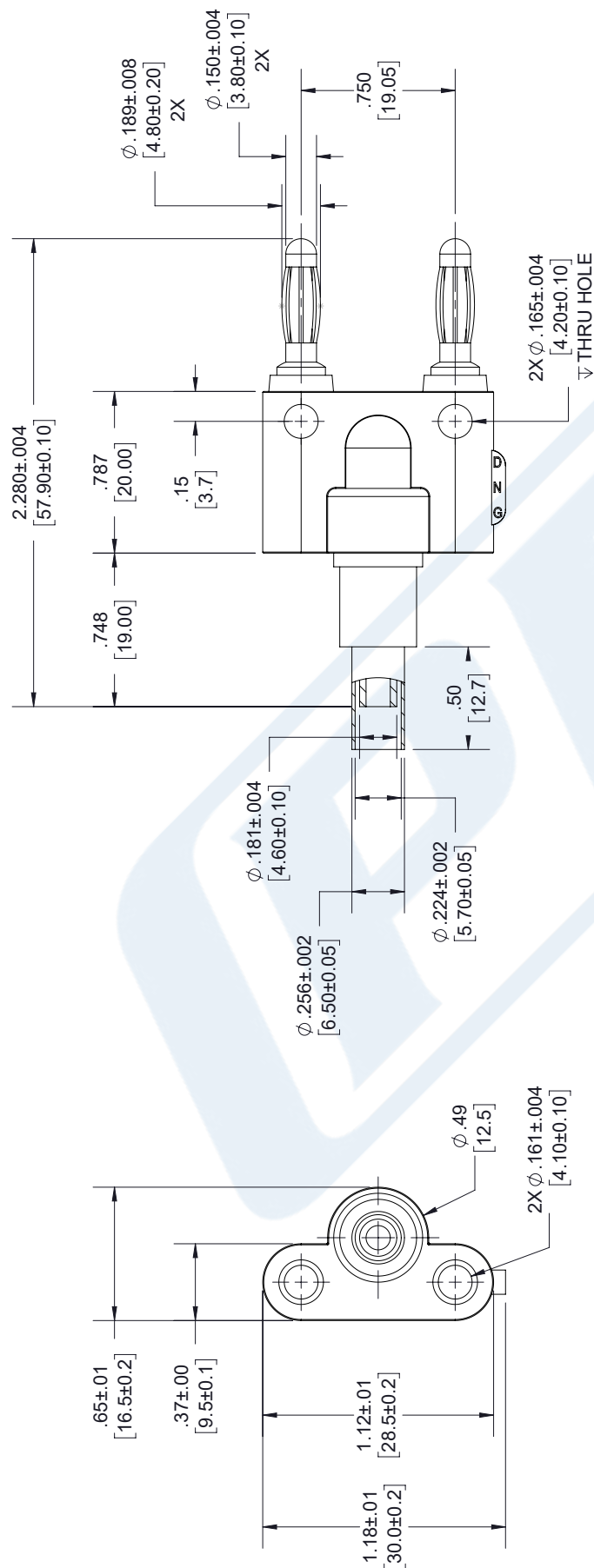
URL: https://www.pasternack.com/banana-plug-rg55-rg142-rg223-rg400-connector-pe4089-p.aspx

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Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451

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PE4089 CAD Drawing

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

REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
A	PCR 4301	1/14/2020	S.ELLIS

Ø .189±.008 [4.80±0.20] 2X

Ø .150±.004 [3.80±0.10] 2X

.750 [19.05]

Ø .165±.004 [4.20±0.10] THRU HOLE 2X

2.280±.004 [57.90±0.10]

.787 [20.00]

.15 [3.7]

.748 [19.00]

.50 [12.7]

Ø .181±.004 [4.60±0.10]

Ø .224±.002 [5.70±0.05]

Ø .256±.002 [6.50±0.05]

Ø .49 [12.5]

2X Ø .161±.004 [4.10±0.10]

.65±.01 [16.5±0.2]

.37±.00 [9.5±0.1]

1.12±.01 [28.5±0.2]

1.18±.01 [30.0±0.2]
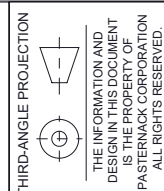
.500 [12.70]

.200 [5.08]

.100 [2.54]

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%L / -0

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

Flexible RG223 Coax Cable Double Shielded with Black PVC Jacket

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

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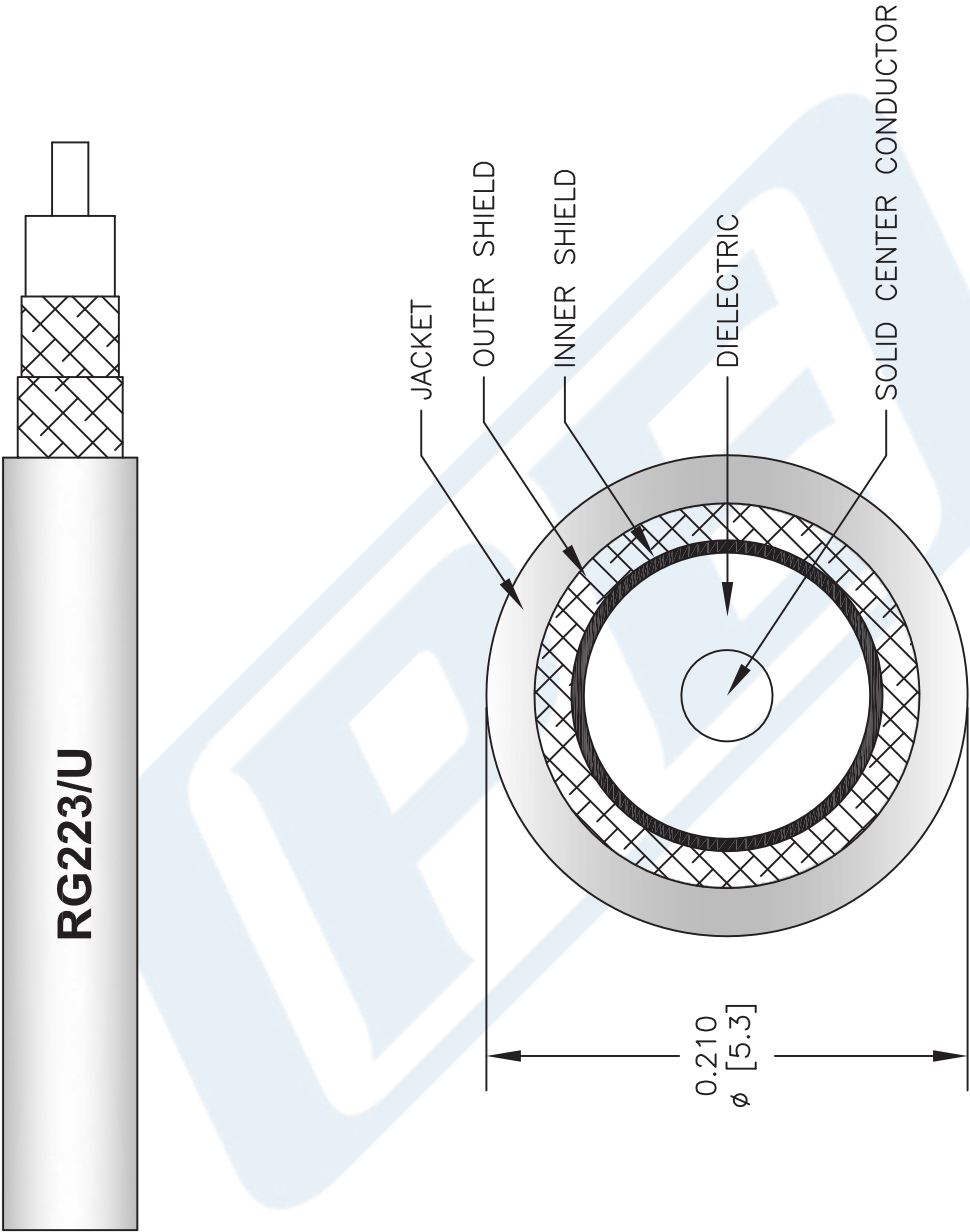
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Flexible RG223 Coax Cable Double Shielded with Black PVC Jacket RG223/U

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

RG223/U

JACKET

OUTER SHIELD

INNER SHIELD

DIELECTRIC

SOLID CENTER CONDUCTOR

0.210
ø [5.3]

DWG TITLE
RG223/U

FSCM NO. 53919

PE PASTERNACK ®

Pasternack Enterprises, Inc.
P.O. Box 16759 | Irvine | CA | 92623
Phone: (949) 261-1920 | **Fax:** (949) 261-7451
Website: www.pasternack.com | **E-Mail:** sales@pasternack.com

RG223/U REV

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