

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 μ in 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
Width/Dia.

1.37 in [34.8 mm]
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](#)

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



RF Connectors Technical Data Sheet

PE44788

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

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 μ m
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.

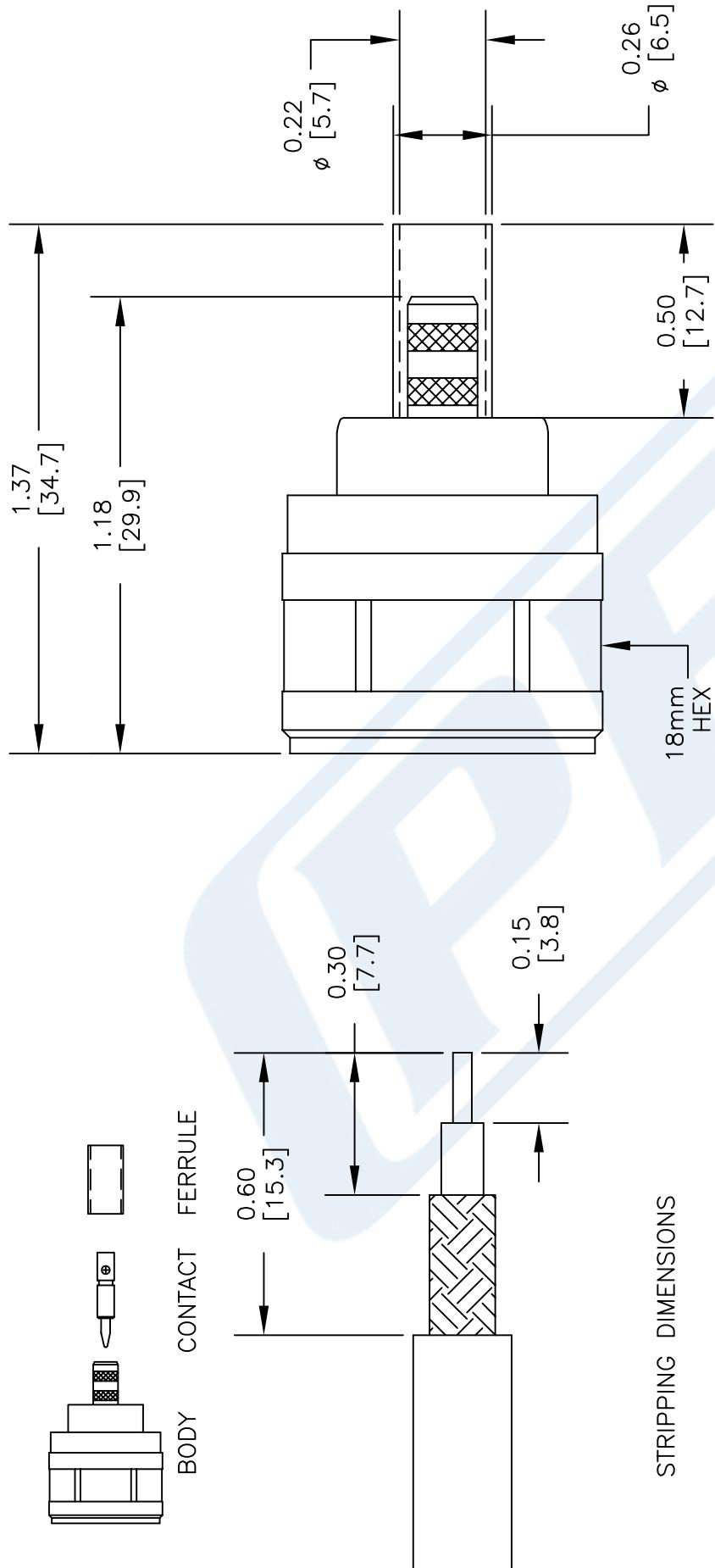
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Connector Crimp/Solder Attachment for RG223, RG142, RG400, RG55 PE44788](#)

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.

PE44788 CAD Drawing

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



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].
 4. FITS MIL-C-17 AND EQUIVALENT CABLES.

PASTERNAK®	DWG TITLE
PE	PE44788
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	
FSCM NO. 53919	CAD FILE 100813
	SCALE N/A
	SIZE A
	150



N Male Right Angle Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400

RF Connectors Technical Data Sheet

PE4484

Configuration

- N Male Connector
- MIL-STD-348A
- 50 Ohms
- Right Angle Body Geometry
- RG55, RG141, RG142, RG223, RG400 Interface Type
- Crimp/Solder Attachment

Features

- Max. Operating Frequency 1,000 MHz
- Good VSWR of 1.5:1
- Gold Plated Brass Contact
- 30 μ in minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4484 type N male right angle connector with crimp/solder attachment for RG55, RG141, RG142, RG223 and RG400 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 1,000 MHz and offers good VSWR of 1.5:1. Its right angle body geometry allows for easier connections in tight spaces.

Our type N male right angle connector PE4484 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)			1,500	Vrms
Dielectric Withstanding Voltage (AC)			2,500	Vrms
Inner Conductor DC Resistance			1	mOhms
Outer Conductor DC Resistance			1	mOhms
Insulation Resistance	5,000			MOhms
RF Leakage	90			dB

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Right Angle Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400 PE4484](#)



N Male Right Angle Connector Crimp/Solder Attachment
 for RG55, RG141, RG142, RG223, RG400

RF Connectors Technical Data Sheet

PE4484

Mechanical Specifications

Size	
Length	1.8 in [45.72 mm]
Width/Dia.	1.29 in [32.77 mm]
Weight	0.127 lbs [57.61 g]
Mating Cycles	500 Cycles

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 μ in minimum
Insulation	PTFE	
Body	Brass	Nickel 100 μ in minimum
Coupling Nut	Brass	Nickel

Environmental Specifications

Temperature

Operating Range	-65 to +165 deg C
Vibration	MIL-STD-202, Method 204, Condition B
Temperature Cycle	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:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Right Angle Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400 PE4484](#)



N Male Right Angle Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400

RF Connectors Technical Data Sheet

PE4484

Assembly Instruction

N Male Right Angle Connector Crimp/Solder Attachment for RG55, RG141, 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.

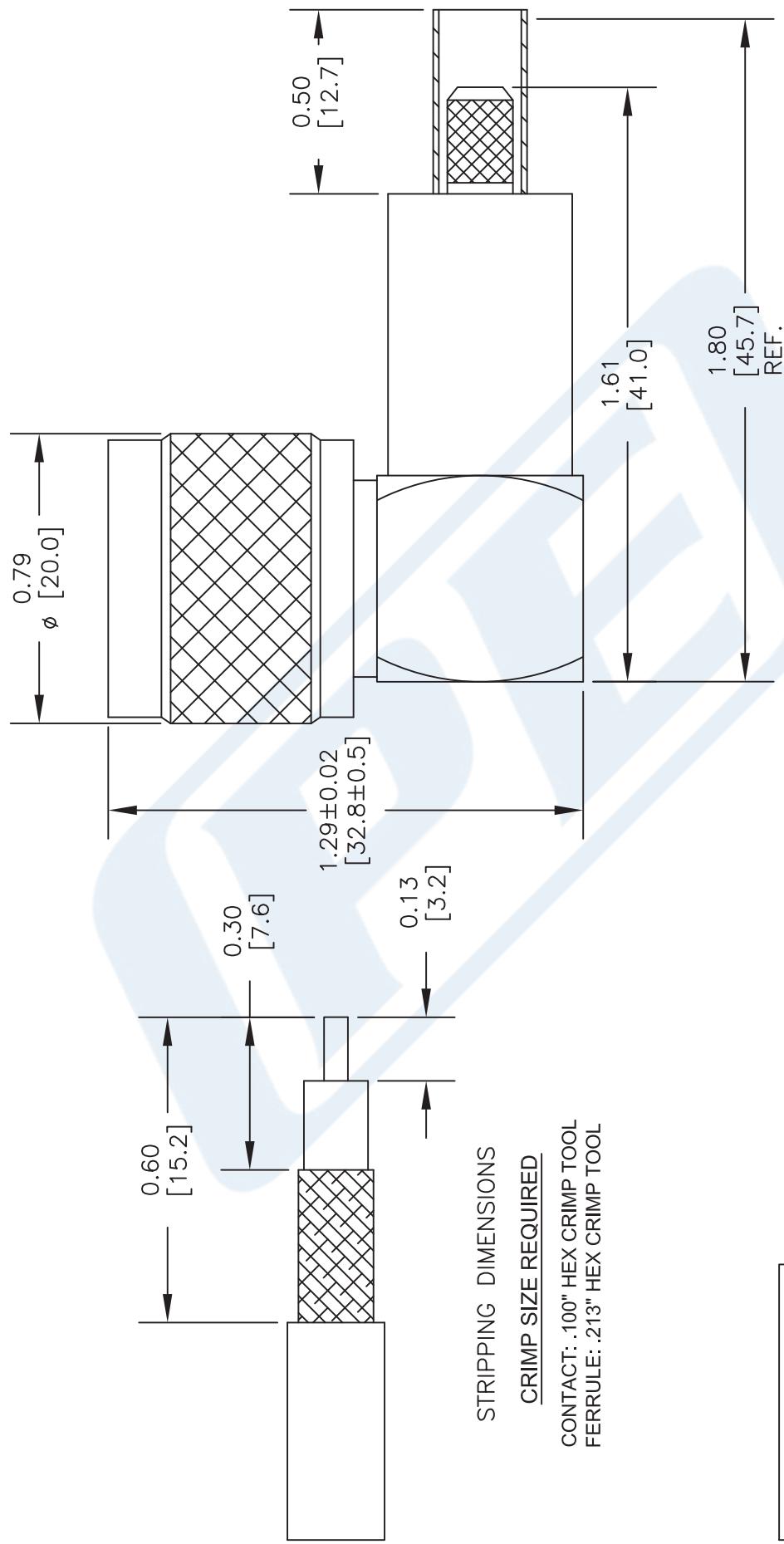
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Right Angle Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400 PE4484](#)

URL: <https://www.pasternack.com/n-male-standard-rg55-rg141-rg142-rg223-rg400-connector-pe4484-p.aspx>

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PE4484 CAD Drawing

N Male Right Angle Connector Crimp/Solder Attachment
for RG55, RG141, RG142, RG223, RG400



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3. DIMENSIONS ARE IN INCHES [mm].

DWG TITLE	PE4484	FSCM NO.	53919	CAD FILE	040416	SCALE	N/A	SIZE	A	3045
PASTERNACK® THE ENGINEER'S RF SOURCE 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										

Flexible RG223 Coax Cable Double Shielded with Black PVC Jacket

TECHNICAL DATA SHEET

RG223/U

Configuration

Inner Conductor Material and Plating
 Dielectric Type
 Shield Materials
 Jacket Material and Color

Copper, Silver
 PE
 Silver Plated Copper Braid, Silver Plated Copper Braid
 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.

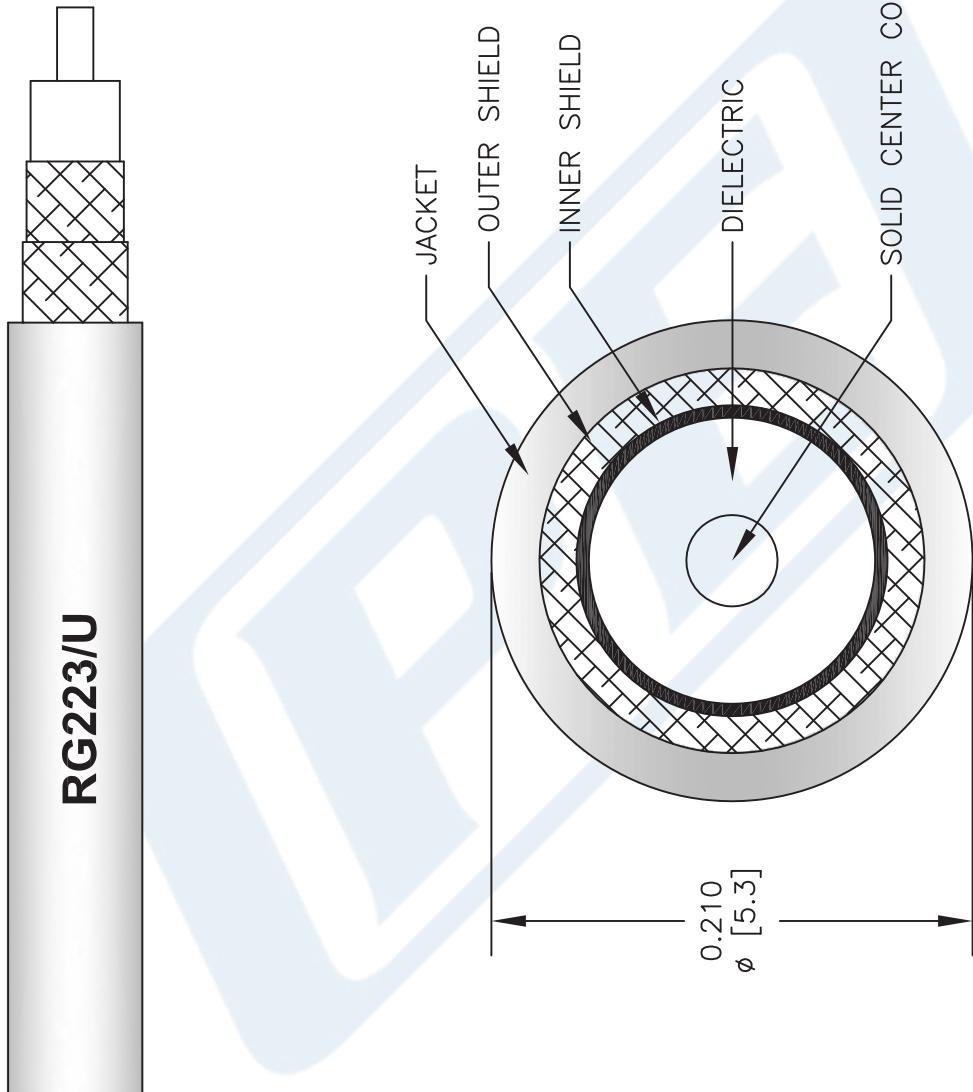
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG223 Coax Cable Double Shielded with Black PVC Jacket RG223/U](#)

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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DWG TITLE
RG223/U

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FSCM NO.	CAD FILE	SCALE	SIZE	REV
53919	060508-B	N/A	A	2233