



SMB Plug Right Angle Connector Crimp/Solder Attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, 0.100 inch

RF Connectors Technical Data Sheet

PE4052

Configuration

- SMB Plug Connector
- MIL-STD-348A
- 50 Ohms
- Right Angle Body Geometry
- RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, .100 inch Interface Type
- Crimp/Solder Attachment

Features

- Max. Operating Frequency 4 GHz
- Good VSWR of 1.3:1
- Gold Plated Beryllium Copper Contact
- 30 μ m minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4052 SMB plug right angle connector with crimp/solder attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100 and .100 inch is part of our full line of RF components available for same-day shipping. Our SMB plug connector operates up to a maximum frequency of 4 GHz and offers good VSWR of 1.3:1. Its right angle body geometry allows for easier connections in tight spaces.

Our SMB plug right angle connector PE4052 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		4	GHz
VSWR			1.3:1	
Operating Voltage (AC)			250	Vrms

Mechanical Specifications

Size

Length	0.622 in [15.8 mm]
Width/Dia.	0.256 in [6.50 mm]
Height	0.528 in [13.41 mm]
Weight	0.012 lbs [5.44 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMB Plug Right Angle Connector Crimp/Solder Attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, 0.100 inch PE4052](#)



SMB Plug Right Angle Connector Crimp/Solder Attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, 0.100 inch

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Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold 30 µin minimum
Insulation	PTFE	
Outer Conductor	Brass	Nickel 100 µin minimum
Body	Brass	Nickel 100 µin minimum

Environmental Specifications

Temperature

Operating Range

-65 to +165 deg C

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

Plotted and Other Data

Notes:

SMB Plug Right Angle Connector Crimp/Solder Attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, 0.100 inch 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.

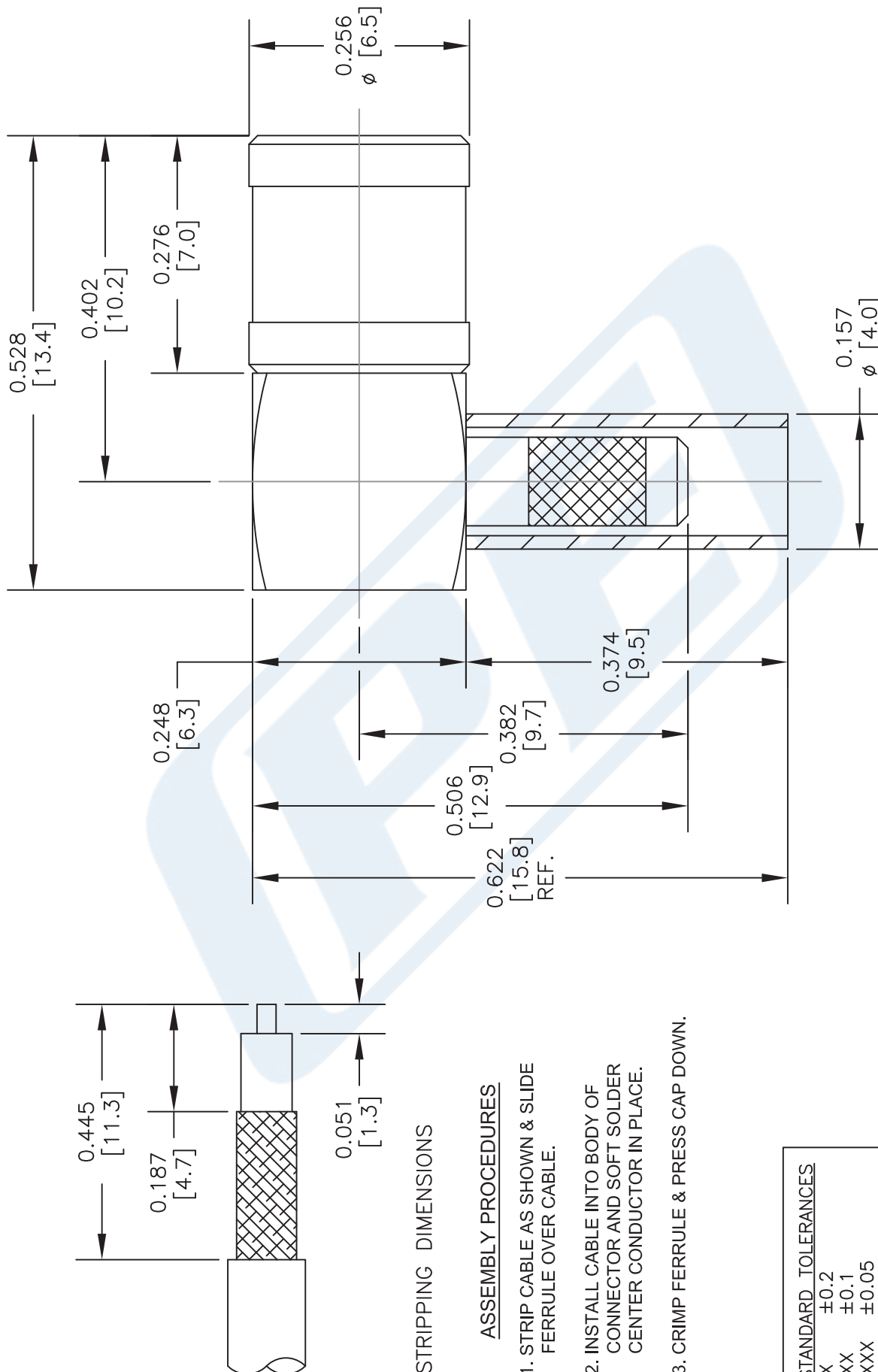
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URL: <https://www.pasternack.com/smb-plug-standard-rg174-rg316-rg188-connector-pe4052-p.aspx>

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.

PE4052 CAD Drawing

SMB Plug Right Angle Connector Crimp/Solder Attachment for RG174,
RG316, RG188, LMR-100, PE-B100, PE-C100, 0.100 inch



STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN & SLIDE FERRULE OVER CABLE.
2. INSTALL CABLE INTO BODY OF CONNECTOR AND SOFT SOLDER CENTER CONDUCTOR IN PLACE.
3. CRIMP FERRULE & PRESS CAP DOWN.

STANDARD TOLERANCES

.X ±0.2
.XX ±0.1
.XXX ±0.05

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

PE PASTERNAK®
THE ENGINEER'S RF SOURCE

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DWG TITLE

PE4052

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 051517

SCALE N/A

SIZE A

2233



SMA Female Bulkhead Mount Connector Crimp/Solder Attachment for RG316, RG174, RG188, PE-B100, PE-C100, .100 inch, LMR-100, .235 inch D Hole

RF Connectors Technical Data Sheet

PE4427

Configuration

- SMA Female Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- RG316, RG174, RG188, PE-B100, PE-C100, .100 inch, LMR-100 Interface Type
- Crimp/Solder Attachment
- Bulkhead

Features

- Gold Plated Beryllium Copper Contact
- Contact plating according to MIL-G-45204

Applications

- General Purpose Test
- Rack and Panel Mount Applications
- Custom Cable Assemblies

Description

Pasternack's PE4427 SMA female bulkhead connector with crimp/solder attachment for RG316, RG174, RG188, PE-B100, PE-C100, .100 inch and LMR-100 (.235 inch D hole) is part of our full line of RF components available for same-day shipping. This SMA bulkhead connector allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

Our SMA female bulkhead connector PE4427 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

Size

Length	0.9 in [22.86 mm]
Width/Dia.	0.312 in [7.92 mm]
Weight	0.008 lbs [3.63 g]

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold MIL-G-45204
Outer Conductor	Brass	Nickel
Body	Brass	Nickel

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Female Bulkhead Mount Connector Crimp/Solder Attachment for RG316, RG174, RG188, PE-B100, PE-C100, .100 inch, LMR-100, .235 inch D Hole PE4427](#)



SMA Female Bulkhead Mount Connector Crimp/Solder Attachment for RG316, RG174, RG188, PE-B100, PE-C100, .100 inch, LMR-100, .235 inch D Hole

RF Connectors Technical Data Sheet

PE4427

Environmental Specifications

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

Plotted and Other Data

Notes:

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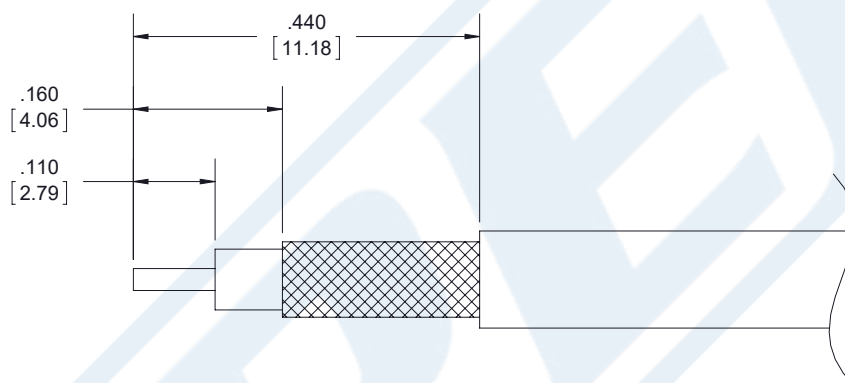


SMA Female Bulkhead Mount Connector Crimp/Solder Attachment for RG316, RG174, RG188, PE-B100, PE-C100, .100 inch, LMR-100, .235 inch D Hole

RF Connectors Technical Data Sheet

PE4427

Assembly Instruction



ASSEMBLY PROCEDURES

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

CRIMP SIZE REQUIRED

- FERRULE: A.128" HEX CRIMP TOOL.
- CONTACT: SOLDER.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Female Bulkhead Mount Connector Crimp/Solder Attachment for RG316, RG174, RG188, PE-B100, PE-C100, .100 inch, LMR-100, .235 inch D Hole PE4427](#)



SMA Female Bulkhead Mount Connector Crimp/Solder Attachment for RG316, RG174, RG188, PE-B100, PE-C100, .100 inch, LMR-100, .235 inch D Hole

RF Connectors Technical Data Sheet

PE4427

SMA Female Bulkhead Mount Connector Crimp/Solder Attachment for RG316, RG174, RG188, PE-B100, PE-C100, .100 inch, LMR-100, .235 inch D Hole 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.

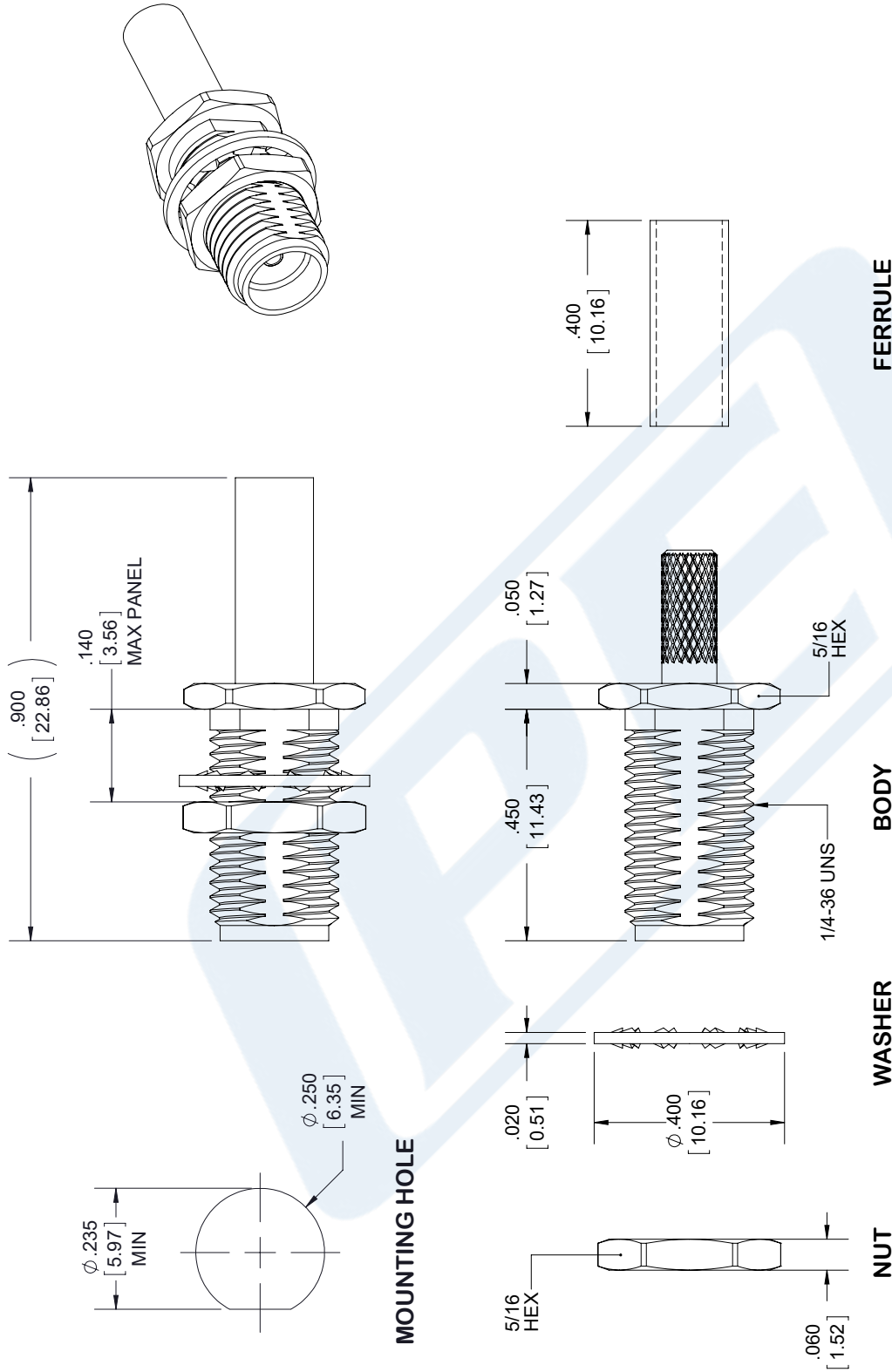
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PE4427 CAD Drawing

SMA Female Bulkhead Mount Connector Crimp/Solder Attachment for RG316, RG174, RG188, PE-B100, PE-C100, .100 inch, LMR-100, .235 inch D Hole



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

PE4427

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Flexible RG174 Coax Cable Single Shielded with Black PVC Jacket

RF Cables Technical Data Sheet

RG174A/U

Times Microwave Systems Coax Cable Specification Configuration

- Flexible Cable
- 1 Shield(s)

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz
Impedance		50		Ohms
Velocity of Propagation		66		%
Nominal Capacitance		31.08 [101.97]		pF/ft [pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	100	400	1,000			MHz
Attenuation, Typ	8.4	19	32			dB/100ft
	27.56	62.34	104.99			dB/100m

Mechanical Specifications

Diameter	0.11 in [2.79 mm]
Weight	0.008 lbs/ft [0.01 kg/m]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, 7 Strands	0.019 in [0.48 mm]
Conductor Type	Stranded	
Dielectric	PE	0.06 in [1.52 mm]
First Shield	Tinned Copper Braid	0.078 in [1.98 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG174 Coax Cable Single Shielded with Black PVC Jacket RG174A/U](#)



Flexible RG174 Coax Cable Single
Shielded with Black PVC Jacket

RF Cables
Technical Data Sheet

RG174A/U

Jacket	PVC, Black	0.11 in [2.79 mm]
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Environmental Specifications

Temperature

Operating Range

-40 to +80 deg C

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

Plotted and Other Data

Notes:

Flexible RG174 Coax Cable Single 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 99.4% availability and are part of the broadest selection in the industry.

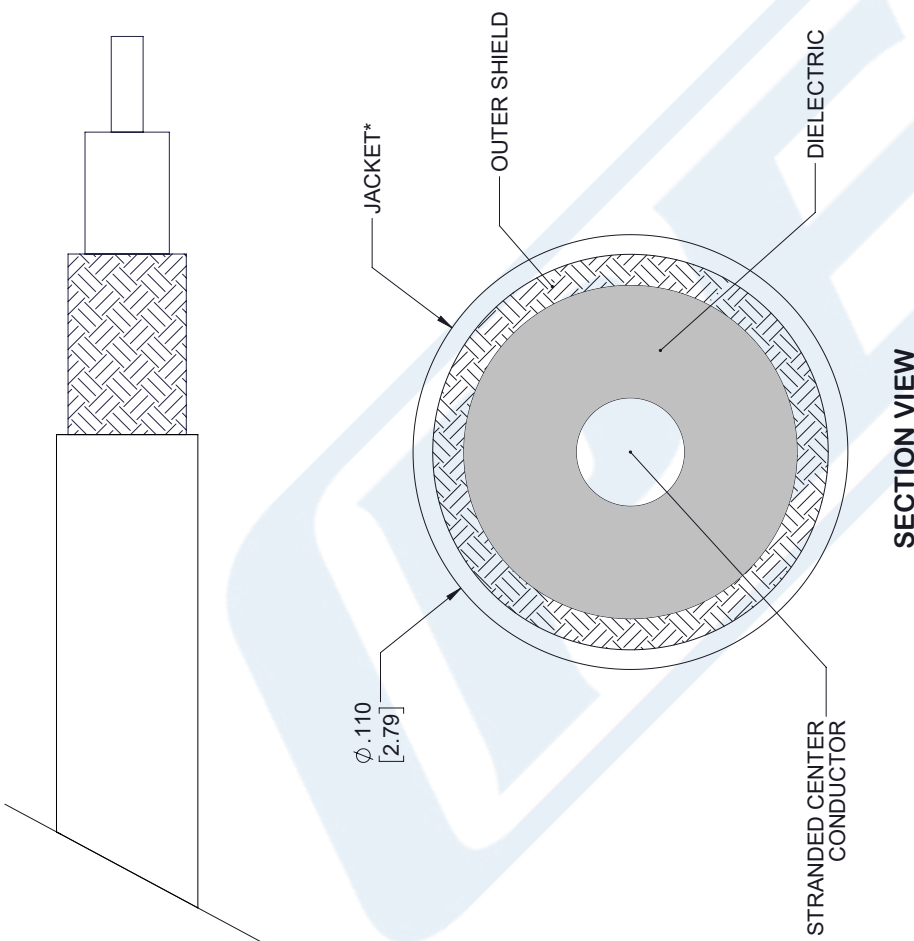
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG174 Coax Cable Single Shielded with Black PVC Jacket RG174A/U](#)

URL: <https://www.pasternack.com/flexible-0.100-rg174-50-ohm-coax-cable-pvc-jacket-rg174a-u-p.aspx>

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RG174A/U CAD Drawing

Flexible RG174 Coax Cable Single Shielded with Black PVC Jacket



NOTE:
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ONLY TO DIMENSIONS IN INCHES

STANDARD	TOLERANCES
.X	±0.2
.XX	±0.01
.XXX	±0.005



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DWG TITLE	RG174A/U
CAGE CODE	53919

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