



75 Ohm SMB Plug Right Angle Connector Crimp/ Solder Attachment for PE-B150, RG180, RG195

RF Connectors Technical Data Sheet

PE4161

Configuration

- SMB Plug Connector
- MIL-STD-348
- 75 Ohms
- Right Angle Body Geometry
- PE-B150, RG180, RG195 Interface Type
- Crimp/Solder Attachment

Features

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

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4161 75 ohm SMB plug right angle connector with crimp/solder attachment for PE-B150, RG180 and RG195 is part of our full line of RF components available for same-day shipping. Its right angle body geometry allows for easier connections in tight spaces.

Our 75 ohm SMB plug right angle connector PE4161 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	0.69 in [17.53 mm]
Width/Dia.	0.38 in [9.65 mm]
Height	0.78 in [19.81 mm]
Weight	0.013 lbs [5.9 g]

Material Specifications

Description	Material	Plating
Contact		Gold MIL-G-45204
Insulation	PTFE	
Body	Brass	Gold MIL-G-45204

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm SMB Plug Right Angle Connector Crimp/Solder Attachment for PE-B150, RG180, RG195 PE4161](#)



75 Ohm SMB Plug Right Angle Connector Crimp/ Solder Attachment for PE-B150, RG180, RG195

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PE4161

Environmental Specifications

Temperature

Operating Range

-65 to +165 deg C

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

Plotted and Other Data

Notes:

75 Ohm SMB Plug Right Angle Connector Crimp/Solder Attachment for PE-B150, RG180, RG195 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.

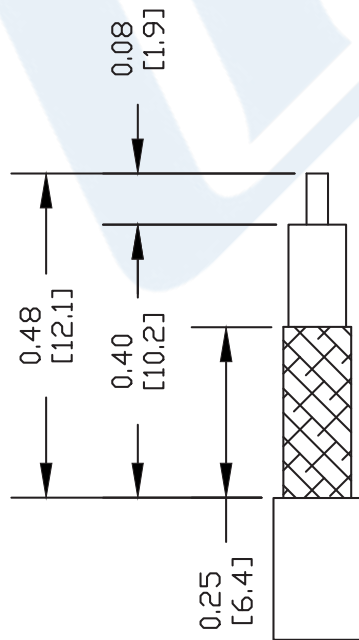
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URL: <https://www.pasternack.com/smb-plug-standard-rg180-rg195-connector-pe4161-p.aspx>

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PE4161 CAD Drawing

75 Ohm SMB Plug Right Angle Connector Crimp/Solder
Attachment for PE-B150, RG180, RG195



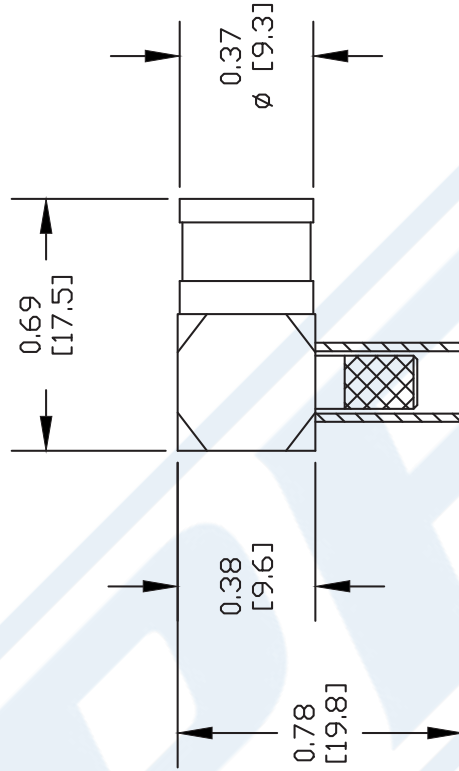
STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

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

CRIMP SIZE REQUIRED

FERRULE: .178" HEX CRIMP TOOL



Pasternack Enterprises, Inc.
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Phone: (949) 261-1920 | Fax: (949) 261-7451
Website: www.pasternack.com | E-Mail: sales@pasternack.com

DWG TITLE

PE4161

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.

REV. A

FSCM NO. 53919

CAD FILE 021508

SCALE N/A

SIZE A

127



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Environmental Specifications

Temperature

Operating Range

-65 to +165 deg C

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

Plotted and Other Data

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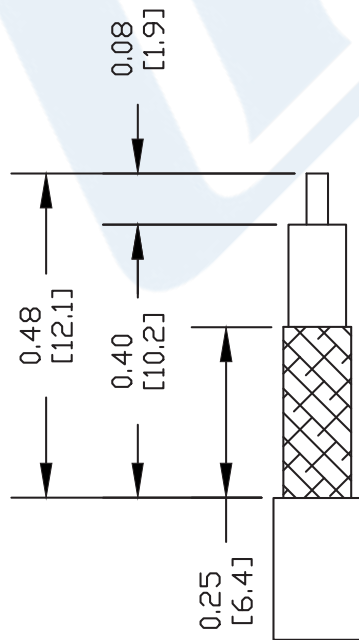
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URL: <https://www.pasternack.com/smb-plug-standard-rg180-rg195-connector-pe4161-p.aspx>

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PE4161 CAD Drawing

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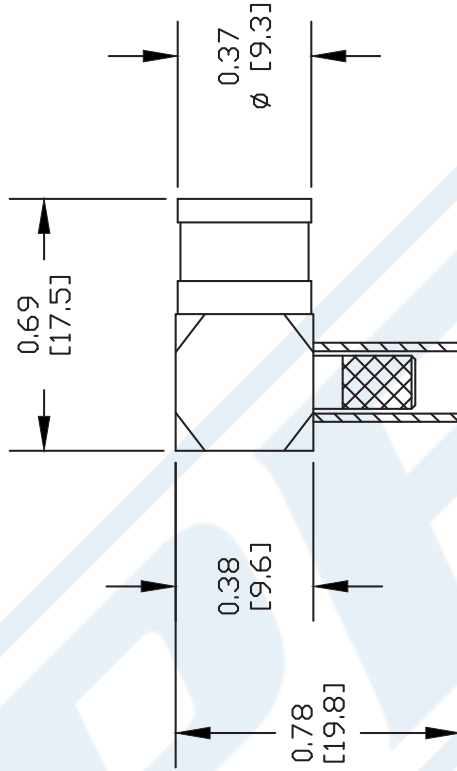
STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

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3. CRIMP FERRULE & PRESS CAP DOWN.

CRIMP SIZE REQUIRED

FERRULE: .178" HEX CRIMP TOOL



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REV. A FSCM NO. 53919 CAD FILE 021508 SCALE N/A SIZE A 127

75 Ohm Flexible PE-B150 Coax Cable Single Shielded with Black PVC Jacket

RF Cables Technical Data Sheet

PE-B150

Configuration

Flexible Cable
1 Number of Shields

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		5	GHz
Impedance		75		Ohms
Operating Voltage (AC)			600	Vrms
Nominal Capacitance		20.5 [67.26]		pF/ft [pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	10	100	400	700	1,000	MHz
Attenuation, Typ	2.4	5.7	12.1	16.5	20	dB/100ft
	7.87	18.7	39.7	54.13	65.62	dB/100m
Input Power (CW), Max	195	83	40	30	25	Watts

Description	F6	F7	F8	F9	F10	Units
Frequency	5					GHz
Attenuation, Typ	50					dB/100ft
	164.04					dB/100m

Mechanical Specifications

Diameter 0.15 in [3.81 mm]
Weight 0.019 lbs/ft [0.03 Kg/m]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, 7 Strands	0.017in [0.43 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm Flexible PE-B150 Coax Cable Single Shielded with Black PVC Jacket PE-B150](#)

75 Ohm Flexible PE-B150 Coax Cable Single Shielded with Black PVC Jacket

RF Cables Technical Data Sheet

PE-B150

Dielectric	PE	0.1 in [2.54 mm]
First Shield	Tinned Copper Braid	
Jacket	PVC, Black	0.15 in [3.81 mm]

Environmental Specifications

Temperature

Operating Range

-40 to 80 deg C

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

Not RoHS Compliant

Plotted and Other Data

Notes:

75 Ohm Flexible PE-B150 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% availability and are part of the broadest selection in the industry.

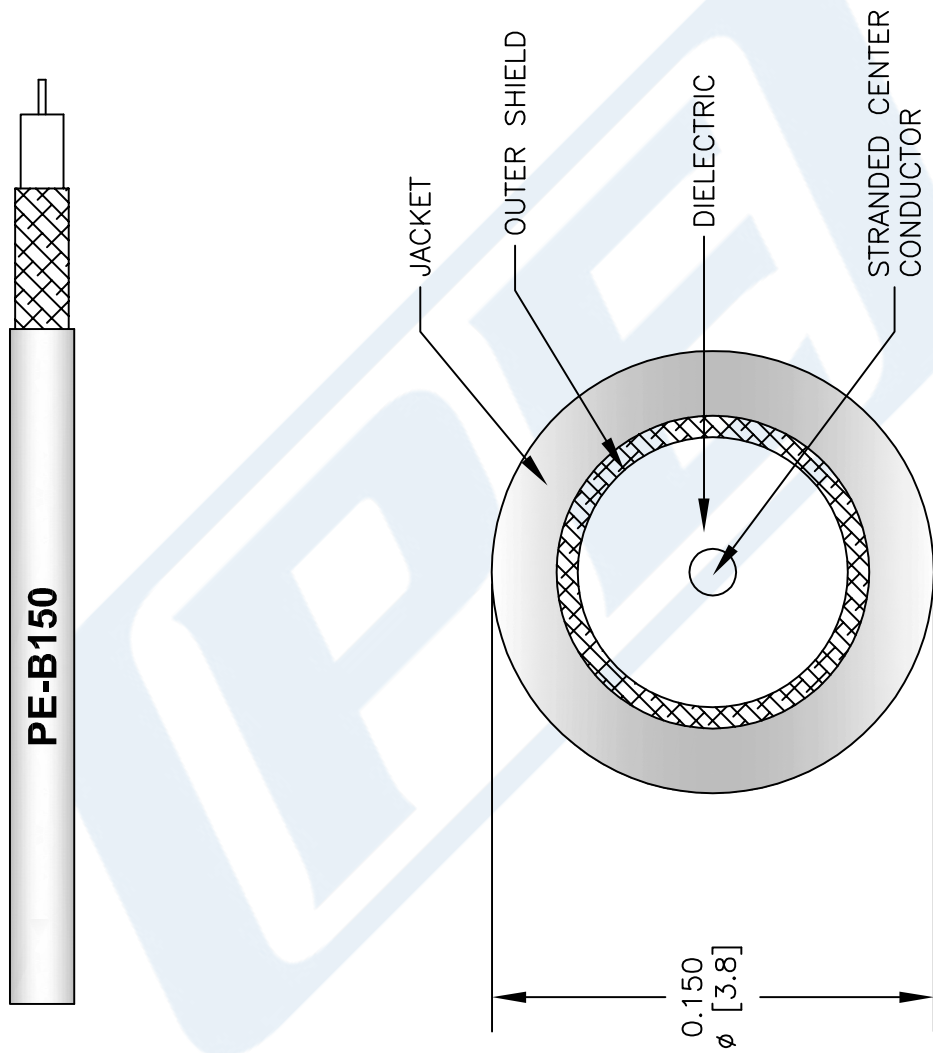
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URL: <http://www.pasternack.com/flexible-0.150-mini-75-ohm-coax-cable-pvc-jacket-pe-b150-p.aspx>

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PE-B150 CAD Drawing

75 Ohm Flexible PE-B150 Coax Cable Single Shielded with Black PVC Jacket



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DWG TITLE
PE-B150

FSCM NO. 53919

CAD FILE 042809

SCALE N/A

SIZE A

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