75 Ohm Mini SMB Plug Connector Crimp/Solder Attachment for RG59, RG62, RG71

RF Connectors Technical Data Sheet   PE4994

Configuration
- Mini SMB Plug Connector
- MIL-STD-348
- 75 Ohms
- Straight Body Geometry
- RG59, RG62, RG71 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 PE4994 75 ohm Mini SMB plug connector with crimp/solder attachment for RG59, RG62 and RG71 is part of our full line of RF components available for same-day shipping.

Our 75 ohm Mini SMB plug connector PE4994 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	1.144 in [29.06 mm]
Width/Dia.	0.305 in [7.75 mm]
Weight	0.012 lbs [5.44 g]

Material Specifications

Description	Material	Plating
Contact		Gold MIL-G-45204
Insulation	PTFE	
Body	Brass	Nickel QQ-N-290

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 75 Ohm Mini SMB Plug Connector Crimp/Solder Attachment for RG59, RG62, RG71 PE4994

RF Connectors Technical Data Sheet   PE4994

Compliance Certifications (see product page for current document)

Plotted and Other Data
Notes:

75 Ohm Mini SMB Plug Connector Crimp/Solder Attachment for RG59, RG62, RG71 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.
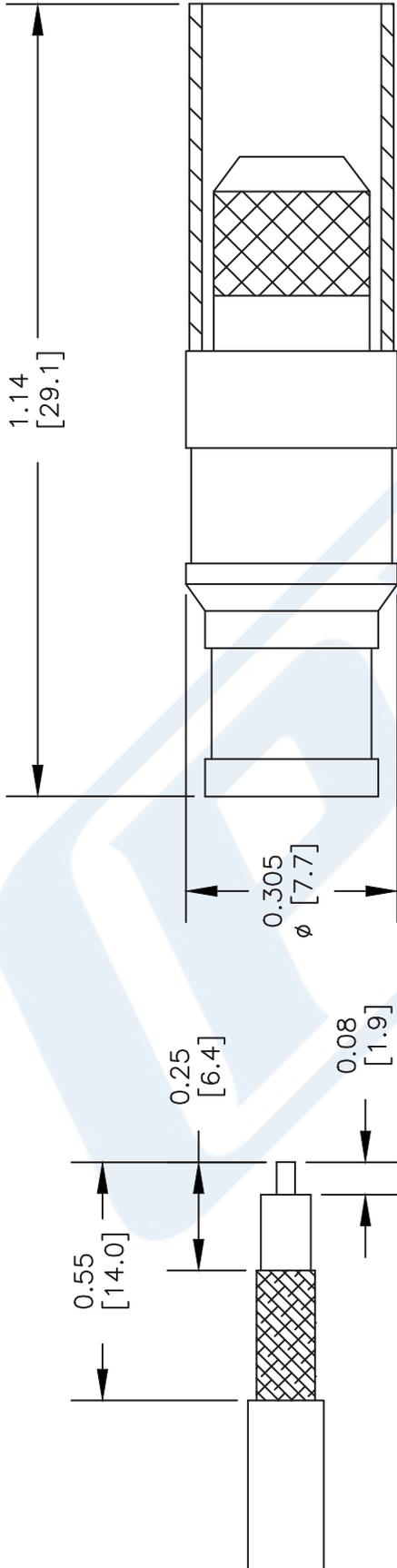
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 75 Ohm Mini SMB Plug Connector Crimp/Solder Attachment for RG59, RG62, RG71 PE4994

URL: https://www.pasternack.com/mini-smb-plug-standard-rg59-rg62-connector-pe4994-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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PE4994 CAD Drawing
75 Ohm Mini SMB Plug Connector Crimp/Solder Attachment for RG59, RG62, RG71

1.14
[29.1]

0.305
ø [7.7]

0.25
[6.4]

0.08
[1.9]

0.55
[14.0]

STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: SOLDER
FERRULE: .255" HEX CRIMP TOOL

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PE4994 REV 1.1

3

75 Ohm SMB Plug Connector Crimp/Solder Attachment for RG59, RG62, RG71

RF Connectors Technical Data Sheet   PE4472

Configuration

- SMB Plug Connector
- 75 Ohms
- Straight Body Geometry
- RG59, RG62, RG71 Interface Type
- Crimp/Solder Attachment

Features

- Gold Plated Beryllium Copper Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4472 75 ohm SMB plug connector with crimp/solder attachment for RG59, RG62 and RG71 is part of our full line of RF components available for same-day shipping.

Our 75 ohm SMB plug connector PE4472 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	0.92 in [23.37 mm]
Width/Dia.	0.362 in [9.19 mm]
Weight	0.013 lbs [5.9 g]

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold
Insulation	PTFE	
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: 75 Ohm SMB Plug Connector Crimp/Solder Attachment for RG59, RG62, RG71 PE4472

75 Ohm SMB Plug Connector Crimp/Solder
Attachment for RG59, RG62, RG71

RF Connectors Technical Data Sheet   PE4472

Compliance Certifications (see product page for current document)

Plotted and Other Data
   Notes:

75 Ohm SMB Plug Connector Crimp/Solder Attachment for RG59, RG62, RG71 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.
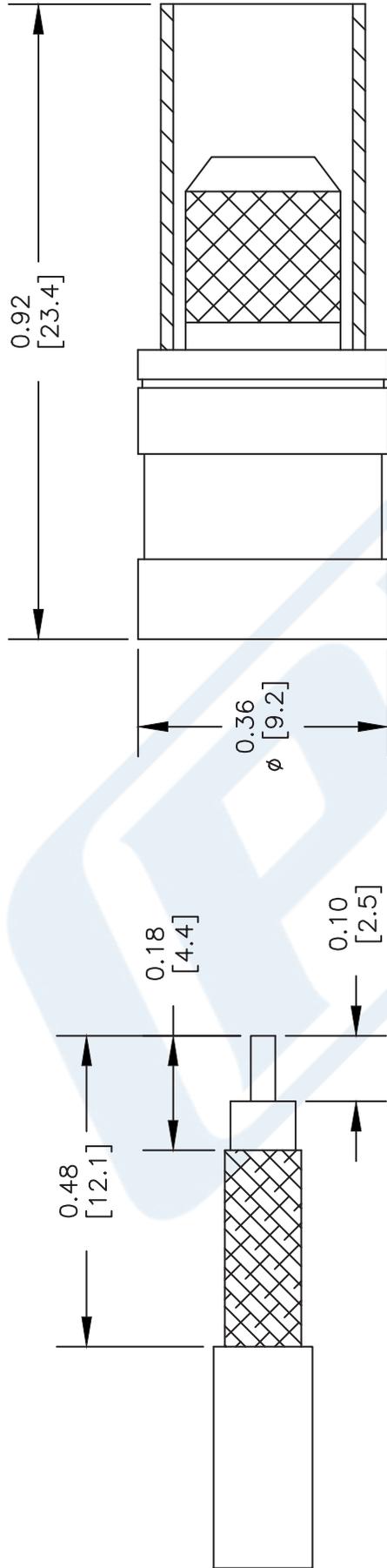
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 75 Ohm SMB Plug Connector Crimp/Solder Attachment for RG59, RG62, RG71 PE4472

URL: https://www.pasternack.com/smb-plug-standard-rg59-rg62-connector-pe4472-p.aspx

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PE4472 CAD Drawing
75 Ohm SMB Plug Connector Crimp/Solder Attachment for RG59, RG62, RG71

0.92 [23.4]

0.36 ø [9.2]

0.18 [4.4]

0.10 [2.5]

0.48 [12.1]

STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: SOLDER
FERRULE: .255" HEX CRIMP TOOL

2233

SIZE A

SCALE N/A

CAD FILE 052202

FSCM NO. 53919

DWG TITLE
PE4472

REV. -

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PE4472 REV 1.1

3

75 Ohm Flexible RG59 Coax Cable Single Shielded with Black PVC (NC) Jacket

RF Cables
Technical Data Sheet

RG59B/U

Configuration

- Flexible Cable
- 1 Shield(s)

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz
Impedance		75 ±3		Ohms
Velocity of Propagation		66		%
Operating Voltage (AC)			2,300	Vrms
Nominal Capacitance		20.4 [66.93]		pF/ft [pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	100	400	1,000			MHz
Attenuation, Max	3.85	7.7	12.65			dB/100ft
	12.63	25.26	41.5			dB/100m
Attenuation, Typ	3.5	7	11.5			dB/100ft
	11.48	22.97	37.73			dB/100m
Input Power (CW), Max	310	160	77			Watts

Mechanical Specifications

Diameter	0.242 in [6.15 mm]
Weight	0.039 lbs/ft [0.06 Kg/m]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, 1 Strands	0.022 in [0.56 mm]
Conductor Type	Solid	
Dielectric	PE	0.146 in [3.71 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 RG59 Coax Cable Single Shielded with Black PVC (NC) Jacket RG59B/U

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First Shield	Copper Braid	0.165 in [4.19 mm]
Jacket	PVC (NC), Black	0.242 in [6.15 mm]

Environmental Specifications
Temperature
Operating Range   -40 to +80 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data
Notes:

75 Ohm Flexible RG59 Coax Cable Single Shielded with Black PVC (NC) 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.
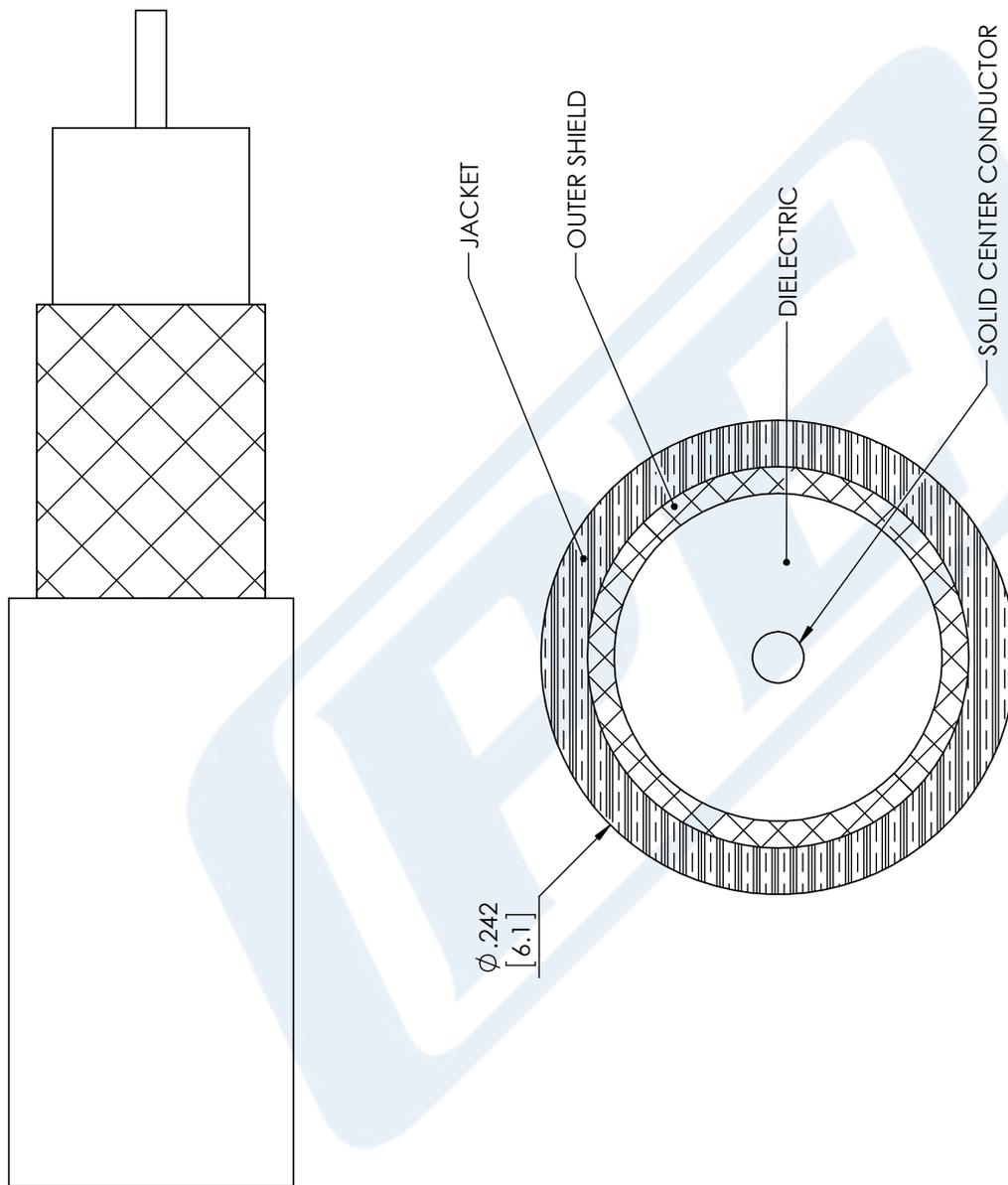
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 75 Ohm Flexible RG59 Coax Cable Single Shielded with Black PVC (NC) Jacket RG59B/U

URL: https://www.pasternack.com/flexible-0.242-rg59-75-ohm-coax-cable-pvc-jacket-rg59b-u-p.aspx

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RG59B/U CAD Drawing

75 Ohm Flexible RG59 Coax Cable Single Shielded with Black PVC (NC) Jacket

JACKET

OUTER SHIELD

DIELECTRIC

SOLID CENTER CONDUCTOR

$\emptyset$ .242
[6.1]

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].

CAD FILE	11/28/17
SCALE	N/A
SIZE	A
	CN2245

DWG TITLE

RG59B/U

CAGE CODE 53919

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

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

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RG59B/U REV 1.3