

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

PE4994



Configuration

- Mini SMB Plug Connector
- MIL-STD-348
- 75 Ohms
- Straight Body Geometry
- Connector Interface Types: RG59, RG62, RG71

Features

- Max. Operating Frequency 2 GHz
- Contact plating according to MIL-G-45204

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4994 , Mini SMB, Standard, Connector is part of our full line of RF components available for same-day shipping. Our Mini SMB plug connector operates up to a maximum frequency of 2 GHz.

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.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		2	GHz
Operating Voltage (AC)			335	Vrms
Dielectric Withstanding Voltage (AC)			750	Vrms
Insulation Resistance	1,000			MOhms
Impedance		75		Ohms

Mechanical Specifications

Size

Length	1.144 in [29.06 mm]
Width	0.305 in [7.75 mm]
Weight	0.012 lbs [5.44 g]
Mating Cycles	500 Cycles

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	MIL-G-45204
Contact Spring	Beryllium Copper	
Insulation	PTFE	
Body	Brass	QQ-N-290
Coupling Nut	Brass	

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

PE4994



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 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 99.4% availability and are part of the broadest selection in the industry.

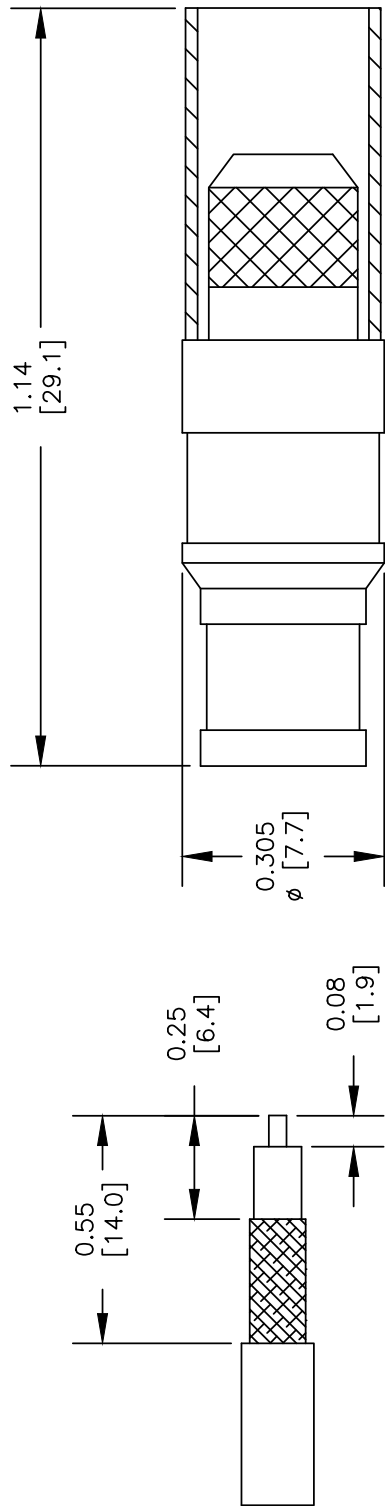
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm Mini SMB Plug Connector Crimp/Solder Attachment for RG59, RG62, RG71 PE4994](#)

URL: <https://www.pasternack.com/mini-smb-plug-standard-rg59-rg62-connector-pe4994-p.aspx>

The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PE4994 CAD Drawing

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



STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: SOLDER
FERRULE: .255" HEX CRIMP TOOL

DWG TITLE

PE4994

FSCM NO. 53919

CAD FILE

061702

SCALE

N/A

SIZE

A

127

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.



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

75 Ohm SMC Plug Connector Clamp/Solder Attachment for RG59, RG62, RG71



PE4258

Configuration

- SMC Plug Connector
- 75 Ohms
- Straight Body Geometry
- Clamp/Solder Method
- Connector Interface Types: RG59, RG62, RG71

Features

- Max. Operating Frequency 2 GHz
- Gold Plated Beryllium Copper Contact
- Contact plating according to ASTM-B488-11

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4258 , SMC, Standard, Connector is part of our full line of RF components available for same-day shipping. Our SMC plug connector operates up to a maximum frequency of 2 GHz.

Our 75 ohm SMC plug connector PE4258 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		2	GHz
Operating Voltage (AC)			250	Vrms
Dielectric Withstanding Voltage (AC)			2,000	Vrms
High Potential Voltage at 5 MHz			1,000	Vrms
Corona Discharge at 70,000 feet			350	Vrms
Insulation Resistance	1,000			MOhms
Impedance		75		Ohms

Mechanical Specifications

Size

Length	0.72 in [18.29 mm]
Width	0.34 in [8.64 mm]
Height	0.34 in [8.64 mm]
Weight	0.014 lbs [6.35 g]
Mating Cycles	500 Cycles

75 Ohm SMC Plug Connector Clamp/Solder Attachment for RG59, RG62, RG71



PE4258

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold ASTM-B488-11
Insulation	PTFE	
Body	Brass	Nickel QQ-N-290
Coupling Nut	Brass	Nickel QQ-N-290

Environmental Specifications

Temperature

Operating Range

-65 to +165 deg C

Shock

MIL-STD-202, Method 213, Condition B

Vibration

MIL-STD-202, Method 204, Condition B

Thermal Shock

MIL-STD-202, Method 107, Condition B

Salt Spray

MIL-STD-202, Method 101, Condition B, 5% salt solution

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

Plotted and Other Data

Notes:

75 Ohm SMC Plug Connector Clamp/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 99.4% 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 SMC Plug Connector Clamp/Solder Attachment for RG59, RG62, RG71 PE4258](#)

URL: <https://www.pasternack.com/smc-plug-standard-rg59-rg62-connector-pe4258-p.aspx>

The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.



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	200	550	800	1,000	MHz
Attenuation, Max	3.81	5.37	9.18	11.21	12.68	dB/100ft
	12.5	17.62	30.12	36.78	41.6	dB/100m

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 Steel1	0.022 in 0.56 mm
Conductor Type	Solid	
Dielectric	PE	0.146 in 3.71 mm
First Shield	Copper Braid	0.165 in 4.19 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](#)

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

RF Cables Technical Data Sheet

RG59B/U

Jacket	PVC (NC), Black	0.242 in [6.15 mm]
--------	-----------------	--------------------

Environmental Specifications

Temperature

Operating Range

-25 to +70 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.

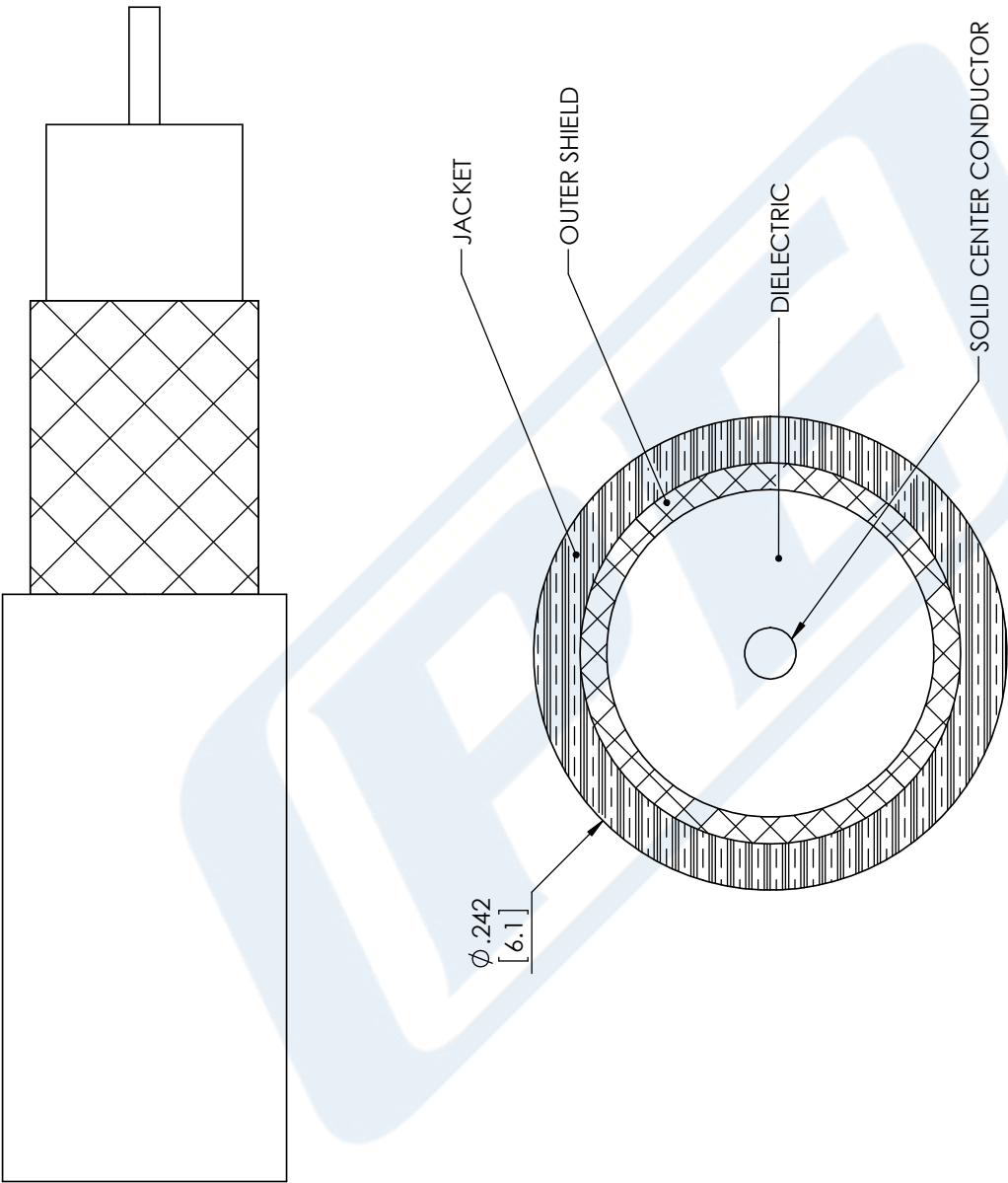
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm Flexible RG59 Coax Cable Single Shielded with Black PVC \(NC\) Jacket RG59B/U](#)

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

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.

RG59B/U CAD Drawing

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



STANDARD TOLERANCES

.X ± 0.2
.XX ± 0.01
.XXX ± 0.005

*STANDARD TOLERANCES APPLY
ONLY TO DIMENSIONS IN INCHES



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

DWG TITLE

RG59B/U

CAGE CODE 53919

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