

HN Male Connector Clamp/Solder Attachment for RG59, RG62, RG71



RF Connectors Technical Data Sheet

PE4479

Configuration

- HN Male Connector
- MIL-STD-348
- 50 Ohms

- Straight Body Geometry
- RG59, RG62, RG71 Interface Type
- Clamp/Solder Attachment

Features

- Max. Operating Frequency 4 GHz
- Silver Plated Brass Contact
- Contact plating according to QQ-S-365

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4479 HN male connector with clamp/solder attachment for RG59, RG62 and RG71 is part of our full line of RF components available for same-day shipping. Our HN male connector operates up to a maximum frequency of 4 GHz.

Our HN male connector PE4479 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
Operating Voltage (AC)			1,500	Vrms
Dielectric Withstanding Voltage (AC)			5,000	Vrms
Insulation Resistance	5,000			MOhms

Mechanical Specifications

Size	
Length	1.53 in [38.86 mm]
Width/Dia.	0.9 in [22.86 mm]
Weight	0.101 lbs [45.81 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [HN Male Connector Clamp/Solder Attachment for RG59, RG62, RG71 PE4479](#)



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Material Specifications

Description	Material	Plating
Contact	Brass	Silver QQ-S-365
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

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

Plotted and Other Data

Notes:

HN Male 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: [HN Male Connector Clamp/Solder Attachment for RG59, RG62, RG71 PE4479](#)

URL: <https://www.pasternack.com/hn-male-standard-rg59-rg62-connector-pe4479-p.aspx>

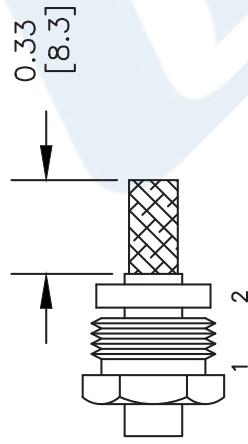
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such 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.

PE4479 CAD Drawing

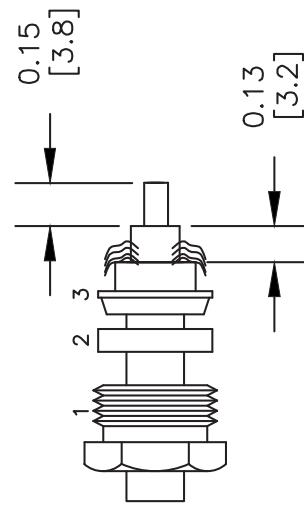
HN Male Connector Clamp/Solder Attachment for RG59, RG62, RG71

ASSEMBLY PROCEDURES

1. SLIDE CLAMP NUT (1) & GASKET (2) OVER CABLE. STRIP CABLE AS SHOWN. DO NOT NICK BRAID WHILE CUTTING JACKET. COMB OUT BRAID. TAPER END OF BRAID TO PERMIT ASSEMBLY OF BRAID CLAMP (3). SLIDE BRAID CLAMP (3) OVER BRAID & SEAT AGAINST CABLE.



2. FORM BRAID OVER CLAMP NUT (3). TRIM BRAID BACK TO SHOULDER. CUT DIELECTRIC TO DIMENSION SHOWN. DO NOT NICK CENTER CONDUCTOR. SOLDER CONTACT TO CENTER CONDUCTOR. REMOVE EXCESS SOLDER. DO NOT OVER HEAT DIELECTRIC. INSERT CABLE ASSEMBLY INTO BODY & TIGHTEN.



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DWG TITLE
PE4479

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. -	FSCM NO.	53919	CAD FILE	070203	SCALE N/A	SIZE A	2233
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SHV Plug Connector Crimp/Solder Attachment for RG59, RG62, RG71



RF Connectors Technical Data Sheet

PE4343

Configuration

- SHV Plug Connector
- MIL-STD-348A
- 50 Ohms

- Straight Body Geometry
- RG59, RG62, RG71 Interface Type
- Crimp/Solder Attachment

Features

- Max. Operating Frequency 300 MHz
- Good VSWR of 1.6:1

- Gold Plated Brass Contact
- 30 μ in minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4343 SHV 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 SHV plug connector operates up to a maximum frequency of 300 MHz and offers good VSWR of 1.6:1.

Our SHV plug connector PE4343 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		300	MHz
VSWR			1.6:1	
Operating Voltage (AC)			3,500	Vrms
Dielectric Withstanding Voltage (AC)			5,000	Vrms

Electrical Specification Notes:

Max Operating Voltage is limited by the cable attached.

Mechanical Specifications

Size

Length
Width/Dia.

1.785 in [45.34 mm]

0.571 in [14.50 mm]

Weight

0.035 lbs [15.88 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SHV Plug Connector Crimp/Solder Attachment for RG59, RG62, RG71 PE4343](#)



SHV Plug Connector Crimp/Solder Attachment for RG59, RG62, RG71

RF Connectors Technical Data Sheet

PE4343

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 100 μ in minimum
Crimp Sleeve	Brass	Nickel

Environmental Specifications

Temperature

Operating Range

-65 to +165 deg C

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

Plotted and Other Data

Notes:

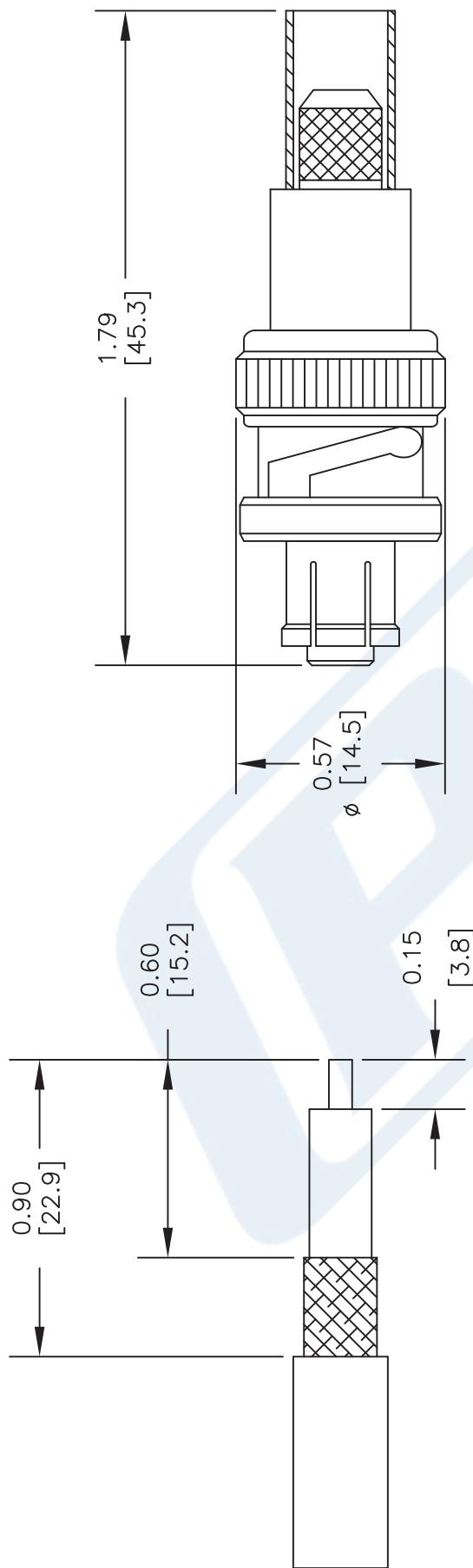
Assembly Instruction

SHV 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: [SHV Plug Connector Crimp/Solder Attachment for RG59, RG62, RG71 PE4343](#)

URL: <https://www.pasternack.com/shv-plug-standard-rg59-rg62-connector-pe4343-p.aspx>

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

DWG TITLE
PE4343



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FSCM NO.	CAD FILE	SCALE	SIZE	REV
53919	030613-A	N/A	A	2233

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]
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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.

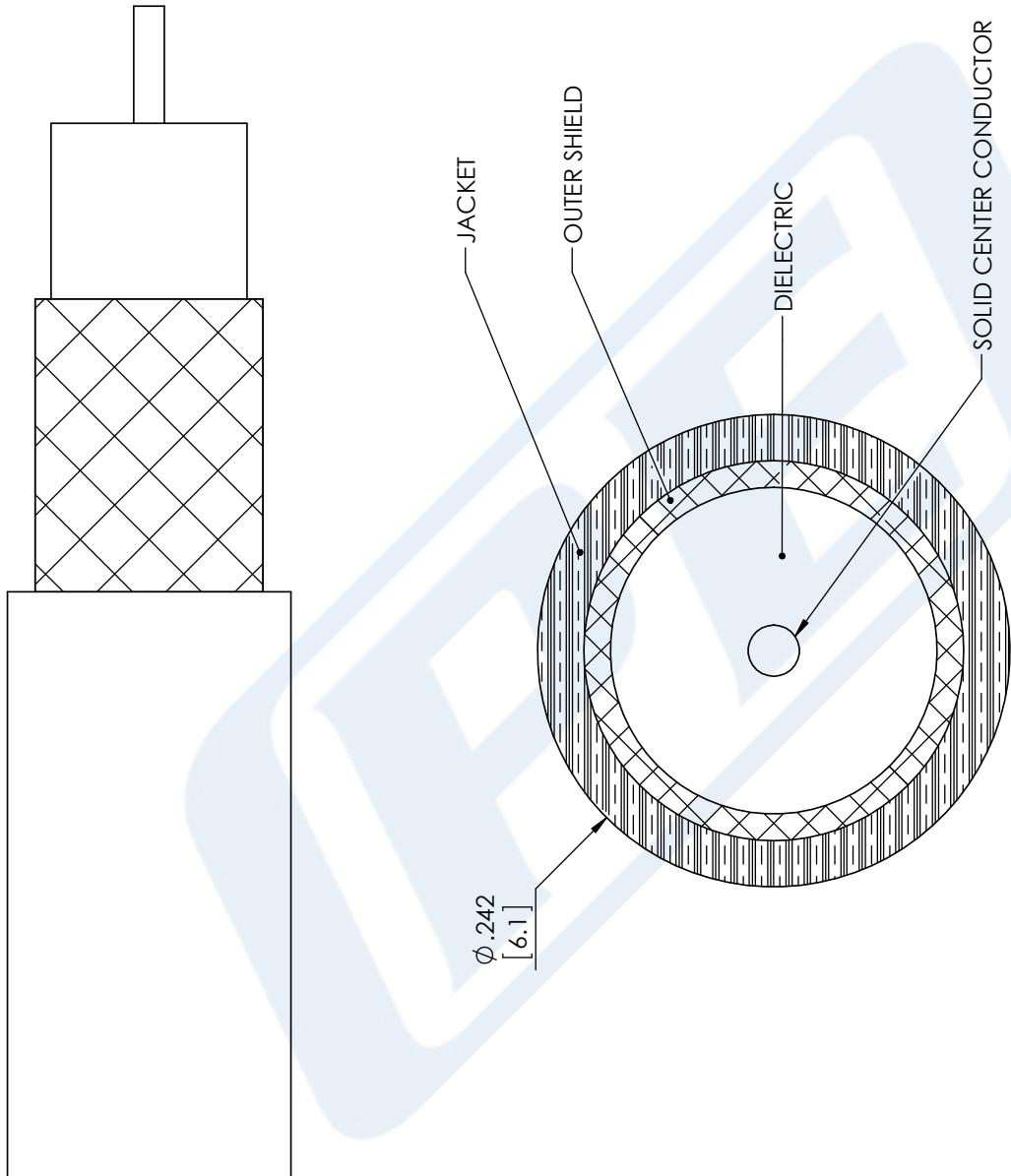
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm Flexible RG59 Coax Cable Single Shielded with Black PVC \(NC\) Jacket RG59B/U](#)

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

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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
THE ENGINEER'S RF SOURCE

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CAGE CODE	DWG TITLE	CAD FILE	SCALE	SIZE
53919	RG59B/U	1/12/2017	N/A	A

CN2245