



SHV plug clamp right angle for RG214

RF Connectors Technical Data Sheet

PE45851

Configuration

- SHV Plug Connector
- MIL-STD-348A
- 50 Ohms
- Right Angle Body Geometry
- Connector Interface Types: RG214

Features

- Max. Operating Frequency 300 MHz
- Gold over Nickel over copper Plated Brass Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE45851 SHV plug right angle connector with crimp/solder attachment for RG214 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. Its right angle body geometry allows for easier connections in tight spaces.

Our SHV plug right angle connector PE45851 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
Operating Voltage (AC)			3,500	Vrms
Dielectric Withstanding Voltage (AC)			5,000	Vrms
Inner Conductor DC Resistance			2	mOhms
Outer Conductor DC Resistance			1.5	mOhms
Insulation Resistance	5,000			MOhms

Mechanical Specifications

Size

Length	1.43 in [36.32 mm]
Width/Dia.	0.57 in [14.48 mm]
Height	1.57 in [39.88 mm]
Weight	0.048 lbs [21.77 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 clamp right angle for RG214 PE45851](#)



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PE45851

Material Specifications

Description	Material	Plating
Contact	Brass	Gold over Nickel over copper
Contact Spring		Tinned Copper
Insulation	Teflon	
Body	Brass	Tinned Copper
Coupling Nut	Brass	Tinned Copper
Gasket	Silicon	
Washer	Brass	Tinned Copper N3200-0214-11/W
O-Ring	Silicon	

Environmental Specifications

Temperature

Operating Range

-65 to +165 deg C

Thermal Shock

MIL-STD-202, Method 107, Condition B

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

Plotted and Other Data

Notes:

SHV plug clamp right angle for RG214 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.

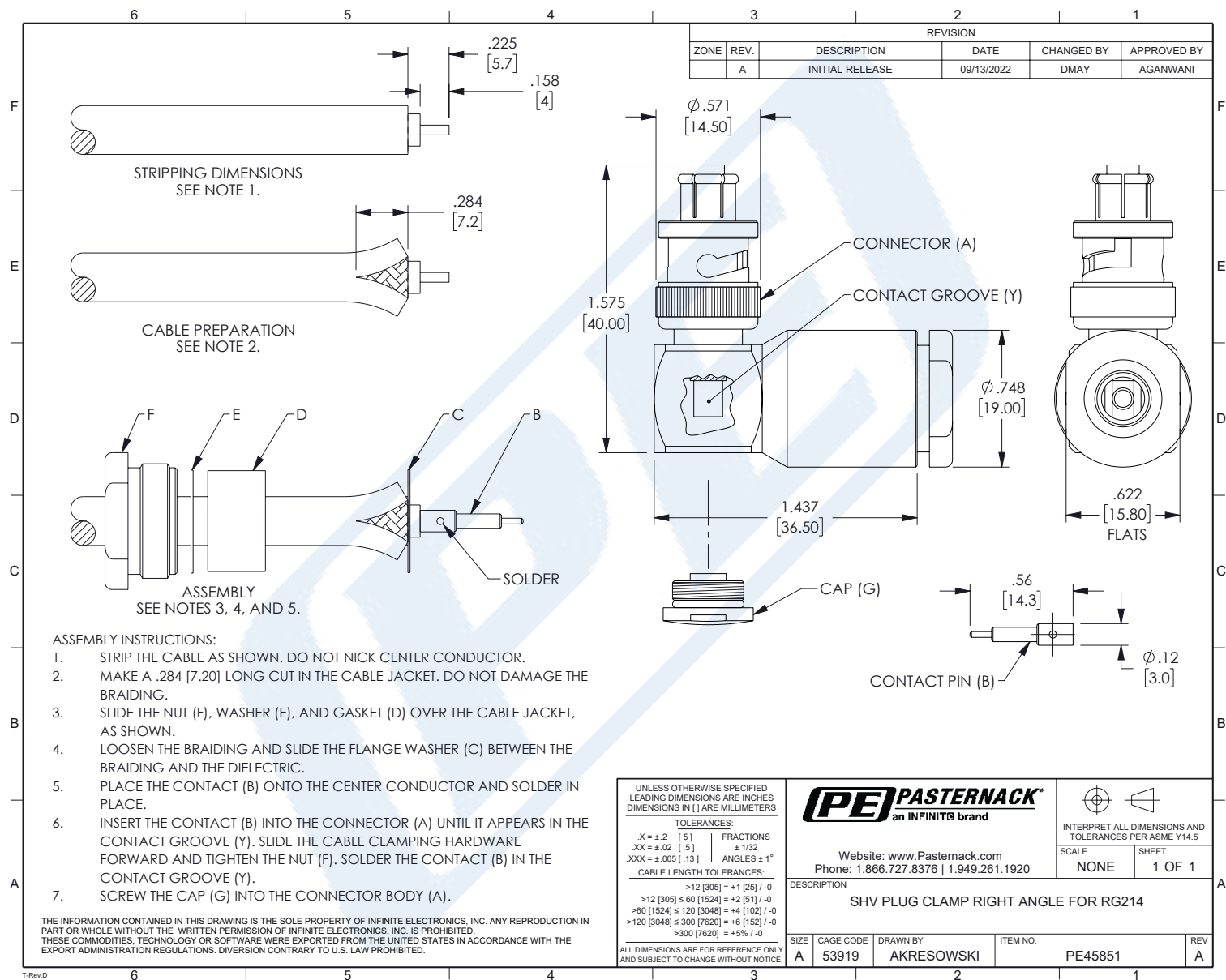
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SHV plug clamp right angle for RG214 PE45851](#)

URL: <https://www.pasternack.com/shv-plug-rg214-connector-pe45851-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.

PE45851 CAD Drawing

SHV plug clamp right angle for RG214



SHV Plug Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393



RF Connectors Technical Data Sheet

PE4349

Configuration

- SHV Plug Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- RG214, RG9, RG225, RG393 Interface Type
- Crimp/Solder Attachment

Features

- Max. Operating Frequency 300 MHz
- Good VSWR of 1.3:1
- Gold Plated Brass Contact
- 30 μ m minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4349 SHV plug connector with crimp/solder attachment for RG214, RG9, RG225 and RG393 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 1.3:1.

Our SHV plug connector PE4349 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			1.3:1	
Operating Voltage (AC)			3,500	Vrms

Mechanical Specifications

Size

Length	2.11 in [53.59 mm]
Width/Dia.	0.57 in [14.48 mm]
Weight	0.05 lbs [22.68 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 RG214, RG9, RG225, RG393 PE4349](#)

SHV Plug Connector Crimp/Solder Attachment
for RG214, RG9, RG225, RG393



RF Connectors Technical Data Sheet

PE4349

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 µin minimum
Insulation	PTFE	
Body	Brass	Nickel 100 µin minimum
Coupling Nut	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

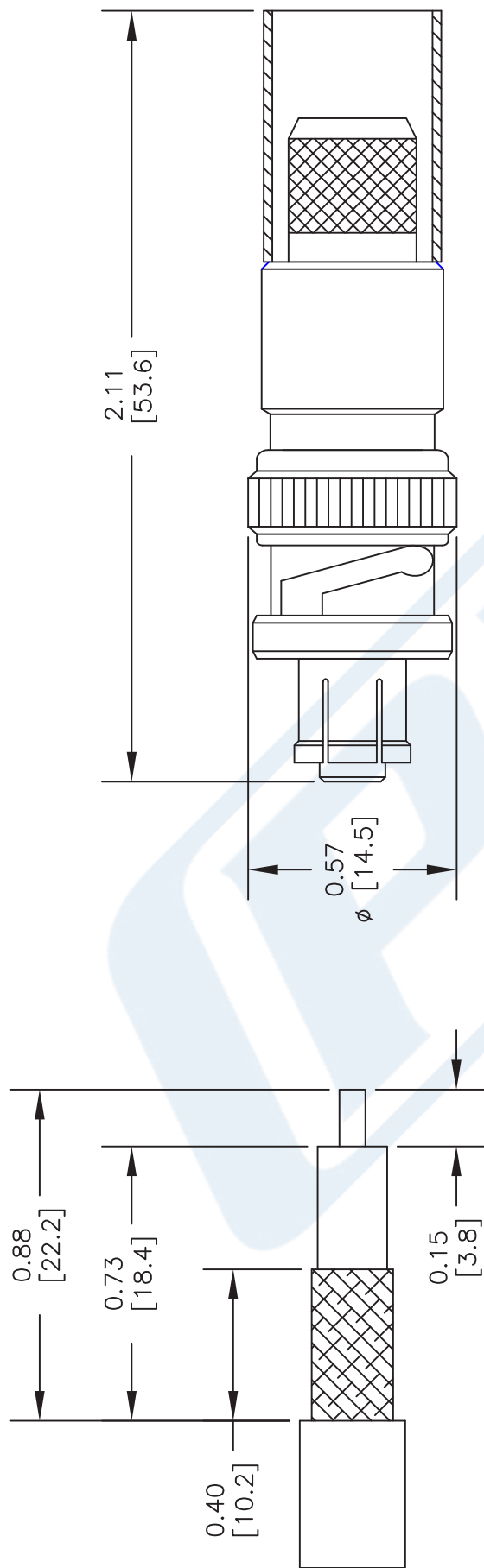
Notes:

SHV Plug Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393 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: [SHV Plug Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393 PE4349](#)

URL: <https://www.pasternack.com/shv-plug-standard-rg214-rg9-rg225-rg393-connector-pe4349-p.aspx>

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STRIPPING DIMENSIONS
CRIMP SIZE REQUIRED
CONTACT: SOLDER
FERRULE: .429" HEX CRIMP TOOL

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.

DWG TITLE
PE4349

PE PASTERNAK®
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FSCM NO. 53919

REV. -

SCALE N/A

SIZE A

2233



Flexible RG214 Coax Cable Double Shielded with Black PVC Jacket

RF Cables Technical Data Sheet

RG214/U

Configuration

- Flexible Cable
- 2 Shield(s)

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		11	GHz
Impedance		50		Ohms
Velocity of Propagation		66		%
Operating Voltage (AC)			5,000	Vrms
Nominal Capacitance		30.8 [101.05]		pF/ft [pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.01	0.1	1	5	10	GHz
Attenuation, Typ	0.64	2.07	7.68	20.68	36.51	dB/100ft
	2.1	6.79	25.2	67.85	119.78	dB/100m

Mechanical Specifications

Diameter	0.425 in [10.8 mm]
Weight	0.122 lbs/ft [0.18 Kg/m]
Min. Bend Radius (Repeated)	1.6 in [40.64 mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, Silver, 7 Strands (7 X 0.02961)	0.089 in [2.26 mm]
Conductor Type	Stranded	
Dielectric	PE	0.285 in [7.24 mm]
First Shield	Silver Plated Copper Braid	

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG214 Coax Cable Double Shielded with Black PVC Jacket RG214/U](#)



Flexible RG214 Coax Cable Double Shielded with Black PVC Jacket

RF Cables Technical Data Sheet

RG214/U

	90% coverage	
Second Shield	Silver Plated Copper Braid 90% coverage	0.331 in [8.41 mm]
Jacket	PVC, Black	0.425 in [10.8 mm]

Environmental Specifications

Temperature

Operating Range

-20 to +80 deg C

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

Plotted and Other Data

Notes:

Flexible RG214 Coax Cable Double 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.

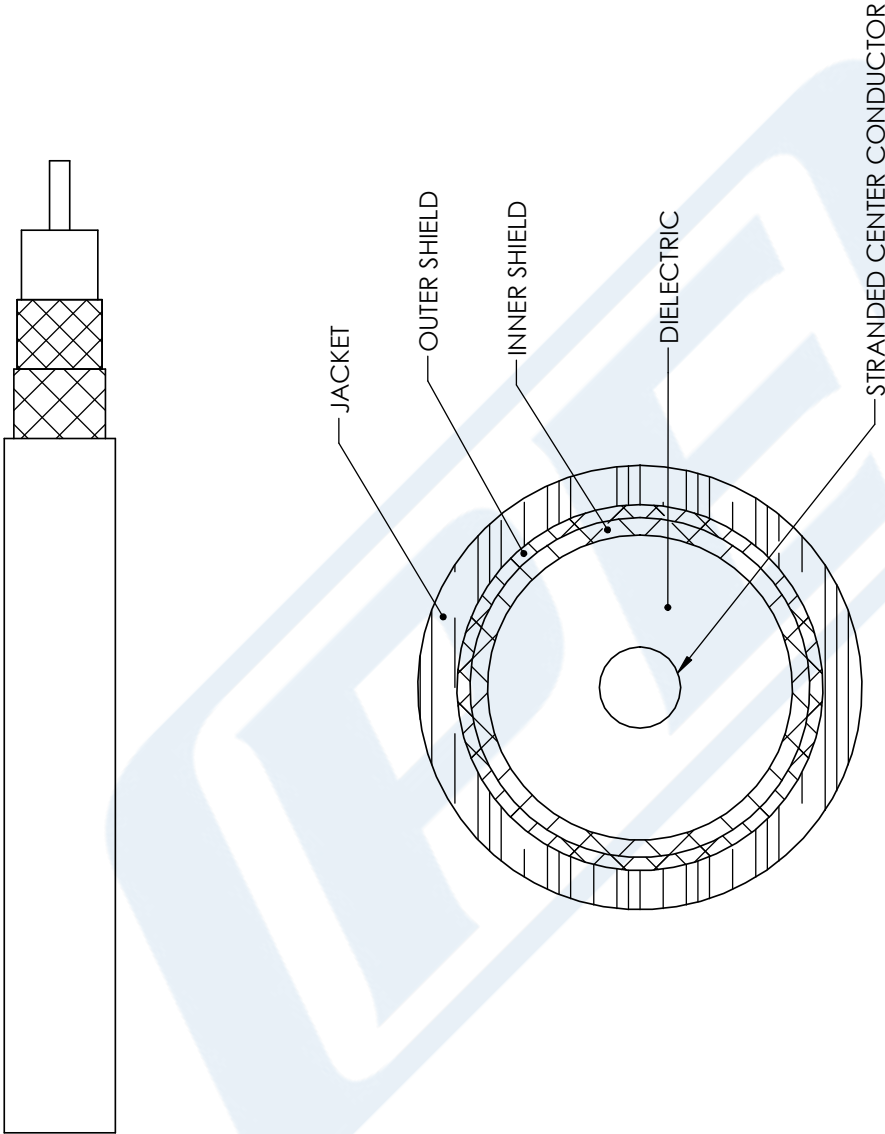
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG214 Coax Cable Double Shielded with Black PVC Jacket RG214/U](#)

URL: <https://www.pasternack.com/flexible-0.425-rg214-50-ohm-coax-cable-pvc-jacket-rg214-u-p.aspx>

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RG214/U CAD Drawing

Flexible RG214 Coax Cable Double Shielded with Black PVC Jacket



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

RG214-U

CAGE CODE 53919

NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
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3. DIMENSIONS ARE IN INCHES [mm].

CAD FILE 11/29/17

SCALE N/A

SIZE A

CN2245