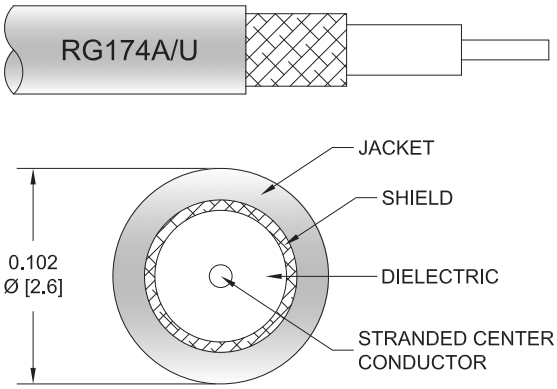
SMB Jack to BNC Male Cable Using RG174 Coax with HeatShrink

PE3W01494/HS

Configuration

- Connector 1: SMB Jack
- Connector 2: BNC Male
- Cable Type: RG174
- Coax Flex Type: Flexible



Features

- Max Frequency 1 GHz
- 66% Phase Velocity
- PVC Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W01494/HS SMB jack to BNC male cable using RG174 coax is part of our full line of RF components available for same-day shipping. Pasternack's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Pasternack SMB to BNC cable assembly has a jack to male gender configuration with 50 ohm flexible RG174 coax. The PE3W01494/HS SMB jack to BNC male cable assembly operates to 1 GHz.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other available RF cable assembly value added services include connector orientation or clocking, heat shrink booting and custom labeling. RF testing can also be performed to document the electrical performance of your cable assembly.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz
VSWR			1.4:1	
Velocity of Propagation		66		%
Capacitance		31.1 [102.03]		pF/ft [pF/m]

Specifications by Frequency

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Part Number	Length	Description	F1	F2	F3	F4	Units	Weight (lbs)
		Frequency	100	250	500	1000	MHz	
PE3W01494/HS	Custom Lengths Available	Insertion Loss (Typ.)	0.08	0.14	0.21	0.32	dB/ft	
			0.28	0.45	0.7	1.05	dB/m	
PE3W01494/HS-12	12 inch	Insertion Loss (Typ.)	0.29	0.34	0.42	0.52	dB	0.046
PE3W01494/HS-24	24 inch	Insertion Loss (Typ.)	0.37	0.48	0.63	0.84	dB	0.055
PE3W01494/HS-36	36 inch	Insertion Loss (Typ.)	0.46	0.62	0.84	1.16	dB	0.064
PE3W01494/HS-48	48 inch	Insertion Loss (Typ.)	0.54	0.75	1.05	1.48	dB	0.073
PE3W01494/HS-72	72 inch	Insertion Loss (Typ.)	0.71	1.03	1.47	2.12	dB	0.091

The insertion loss data for the base model does not include loss due to the connectors. Each length includes insertion loss due to the connectors.

Loss due to Connector 1:	0.1	dB
Loss due to Connector 2:	0.1	dB
Base Weight:	0.046	pounds
Additional Weight per Inch:	0.00075	pounds

Mechanical Specifications

Cable Assembly

Weight	0.046 lbs [20.87 g]

Cable

Cable Type	RG174
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PE (LD)
Number of Shields	1
Shield Layer 1	Tinned Copper Braid
Jacket Material	PVC, Black
Jacket Diameter	0.11 in [2.79 mm]

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Connectors

Description	Connector 1	Connector 2
Type	SMB Jack	BNC Male
Specification		MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	30 µin minimum	50µ in. minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 µin minimum	100µ in. minimum
Coupling Nut Material and Plating		Brass, Nickel
Coupling Nut Plating Specification		100µ in. minimum

Environmental Specifications

Operating Range Temperature	-40 to +80 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

+1 (866) 558-2786 | sales@pasternack.com | pasternack.com

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Typical Performance Data

How to Order

Part Number Configuration: **PE3W01494/HS - xx uu**

- uu — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches
- xx — Length
- PE3W01494/HS — Base Number

Example: PE3W01494/HS-12 = 12 inches long cable
PE3W01494/HS-100cm = 100 cm long cable

SMB Jack to BNC Male Cable Using RG174 Coax with HeatShrink 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: SMB Jack to BNC Male Cable Using RG174 Coax with HeatShrink PE3W01494/HS

URL: https://www.pasternack.com/smb-jack-to-bnc-male-cable-using-rg174-with-heatshrink-pe3w01494-hs-p.aspx

PE3W01494/HS CAD Drawing

SMB Jack to BNC Male Cable Using RG174 Coax with HeatShrink