

SHV Plug to SHV Plug Cable Using RG213HV Coax with HeatShrink



PE3W16773/HS

Configuration

- Connector 1: SHV Plug
- Connector 2: SHV Plug
- Cable Type: RG213HV
- Coax Flex Type: Flexible

Features

- Max Frequency 300 MHz
- Polyurethane Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W16773/HS SHV plug to SHV plug cable using RG213HV 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 SHV to SHV cable assembly has a plug to plug gender configuration with 50 ohm flexible RG213HV coax. The PE3W16773/HS SHV plug to SHV plug cable assembly operates to 300 MHz.

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		300	MHz
VSWR			1.4:1	

Specifications by Frequency

SHV Plug to SHV Plug Cable Using RG213HV Coax with HeatShrink



PE3W16773/HS

Part Number	Length	Description	F1	F2	F3	F4	Units	Weight (lbs)
			Frequency	50	100	250	300	
PE3W16773/HS	Custom Lengths Available	Insertion Loss (Typ.)	0.012	0.023	0.035	0.039	dB/ft	
			0.04	0.08	0.12	0.13	dB/m	
PE3W16773/HS-12	12 inch	Insertion Loss (Typ.)	0.22	0.23	0.24	0.24	dB	0.207
PE3W16773/HS-24	24 inch	Insertion Loss (Typ.)	0.23	0.25	0.27	0.28	dB	0.305
PE3W16773/HS-36	36 inch	Insertion Loss (Typ.)	0.24	0.27	0.31	0.32	dB	0.402
PE3W16773/HS-48	48 inch	Insertion Loss (Typ.)	0.25	0.3	0.34	0.36	dB	0.499
PE3W16773/HS-60	60 inch	Insertion Loss (Typ.)	0.26	0.32	0.38	0.4	dB	0.596

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:	0.207 pounds
Additional Weight per Inch:	0.00809 pounds

Mechanical Specifications

Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.11 lbs [49.9 g]

Cable

Cable Type	RG213HV
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper, Bare
Dielectric Type	PE
Number of Shields	1
Shield Layer 1	Tinned Copper Braid
Jacket Material	Polyurethane, Red
Jacket Diameter	0.394 in [10.01 mm]
Repeated Minimum Bend Radius	1.969 in [50.01 mm]

Connectors

Description	Connector 1	Connector 2
Type	SHV Plug	SHV Plug
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	30 pinches minimum	30 pinches minimum
Dielectric Type	Teflon	Teflon
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 pinches minimum	100 pinches minimum

SHV Plug to SHV Plug Cable Using RG213HV Coax with HeatShrink



PE3W16773/HS

Environmental Specifications

Operating Range Temperature -30 to +70 deg C

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

Plotted and Other Data

Notes:

Typical Performance Data

How to Order

Part Number Configuration:

PE3W16773/HS - xx uu

Unit of Measure:
cm = Centimeters
<blank> = Inches

Length

Base Number

Example: PE3W16773/HS-12 = 12 inches long cable
PE3W16773/HS-100cm = 100 cm long cable

SHV Plug to SHV Plug Cable Using RG213HV 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.

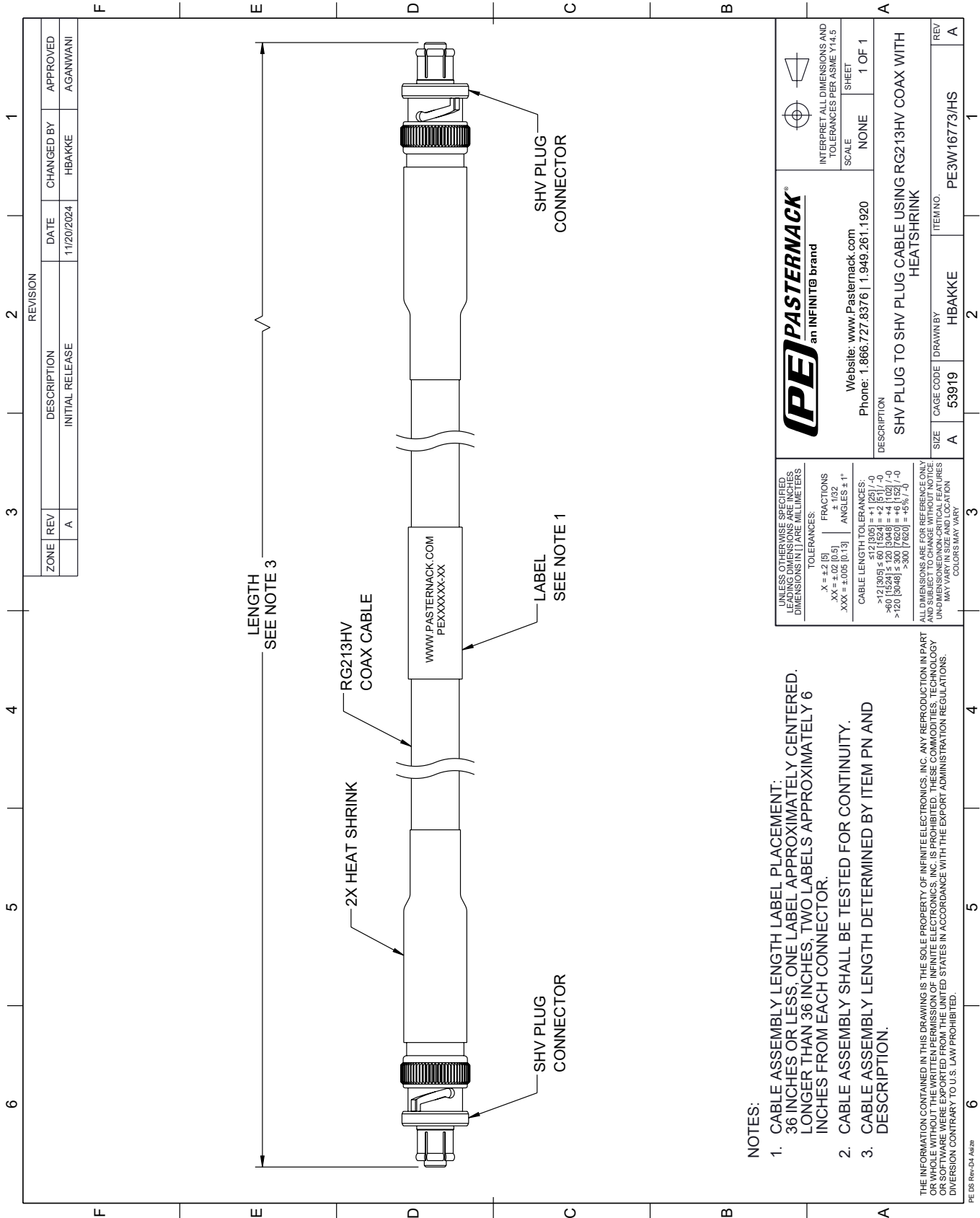
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SHV Plug to SHV Plug Cable Using RG213HV Coax with HeatShrink PE3W16773/HS](#)

URL: <https://www.pasternack.com/shv-plug-to-shv-plug-cable-using-rg213hv-with-heatshrink-pe3w16773-hs-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.

PE3W16773/HS CAD Drawing

SHV Plug to SHV Plug Cable Using RG213HV Coax with HeatShrink



NOTES:

1. CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
2. CABLE ASSEMBLY SHALL BE TESTED FOR CONTINUITY.
3. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. THESE COMMODITIES, TECHNOLOGY OR SERVICES ARE BEING EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES AND UNLEADING DIMENSIONS ARE IN MILLIMETERS.

TOLERANCES:
 .X = ±.2 [5]
 .XX = ±.02 [0.5]
 .XXX = ±.005 [0.13]

FRACTIONS:
 ± 1/32
 ANGLES ± 1°

CABLE LENGTH TOLERANCES:
 >12 [305] ≤ 60 [1524] = ±.1 [2.5] / -0
 >60 [1524] ≤ 120 [3048] = ±.4 [102] / -0
 >120 [3048] ≤ 300 [7620] = ±.8 [20] / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNDIMENSIONED/NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.

PE PASTERNAK
an INFINIT® brand

Website: www.Pasternack.com
 Phone: 1.866.727.8376 | 1.949.261.1920

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE: NONE
 SHEET: 1 OF 1

DESCRIPTION: SHV PLUG TO SHV PLUG CABLE USING RG213HV COAX WITH HEATSHRINK

SIZE	A	CAGE CODE	53919	DRAWN BY	HBAKKE	ITEM NO.	PE3W16773/HS
REV	A						