SHV Plug to SHV Plug Cable 60 Inch Length Using RG303 Coax

# RF Cable Assemblies Technical Data Sheet          PE3W00305-60

## Configuration
- Connector 1: SHV Plug
- Connector 2: SHV Plug
- Cable Type: RG303

## Features
- Max Frequency 300 MHz
- FEP Jacket

## Applications
- General Purpose
- Laboratory Use

### Description

Pasternack's PE3W00305-60 SHV plug to SHV plug 60 inch cable using RG303 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 RG303 coax. The PE3W00305-60 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 | | | 1.6:1 | |
| Capacitance | | 32 [104.99] | | pF/ft [pF/m] |

### Mechanical Specifications

**Cable Assembly**
| | |
|---|---|
| Length* | 60 in [152.4 cm] |
| Diameter | 0.571 in [14.5 mm] |

**Cable**
| | |
|---|---|
| Cable Type | RG303 |
| Impedance | 50 Ohms |
| Inner Conductor Type | Solid |
| Inner Conductor Material and Plating | Copper Clad Steel, Silver |
| Dielectric Type | PTFE |

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 60 Inch Length Using RG303 Coax PE3W00305-60

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| | |
|---|---|
| Number of Shields | 1 |
| Shield Layer 1 | Silver Plated Copper Braid |
| Jacket Material | FEP, Tan |
| Jacket Diameter | 0.17 in  [4.32 mm] |

**Connectors**

| Description | Connector 1 | Connector 2 |
|---|---|---|
| Type | SHV Plug | SHV Plug |
| Specification | MIL-STD-348A | MIL-STD-348A |
| Impedance | 50 Ohms | 50 Ohms |
| Contact Material and Plating | Brass, Gold | Brass, Gold |
| Contact Plating Specification | 30µ in. minimum | 30µ in. minimum |
| Dielectric Type | Teflon | Teflon |
| Body Material and Plating | Brass, Nickel | Brass, Nickel |
| Body Plating Specification | 100µ in. minimum | 100µ in. minimum |
| Coupling Nut Material and Plating | Brass, Nickel | Brass, Nickel |
| Coupling Nut Plating Specification | 100µ in. minimum | 100µ in. minimum |

Mechanical Specification Notes:
*All cable assemblies have a length tolerance of 1.5% or ± 3/8", whichever is greater.

**Compliance Certifications** (see product page for current document)

**Plotted and Other Data**
Notes:

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 60 Inch Length Using RG303 Coax PE3W00305-60
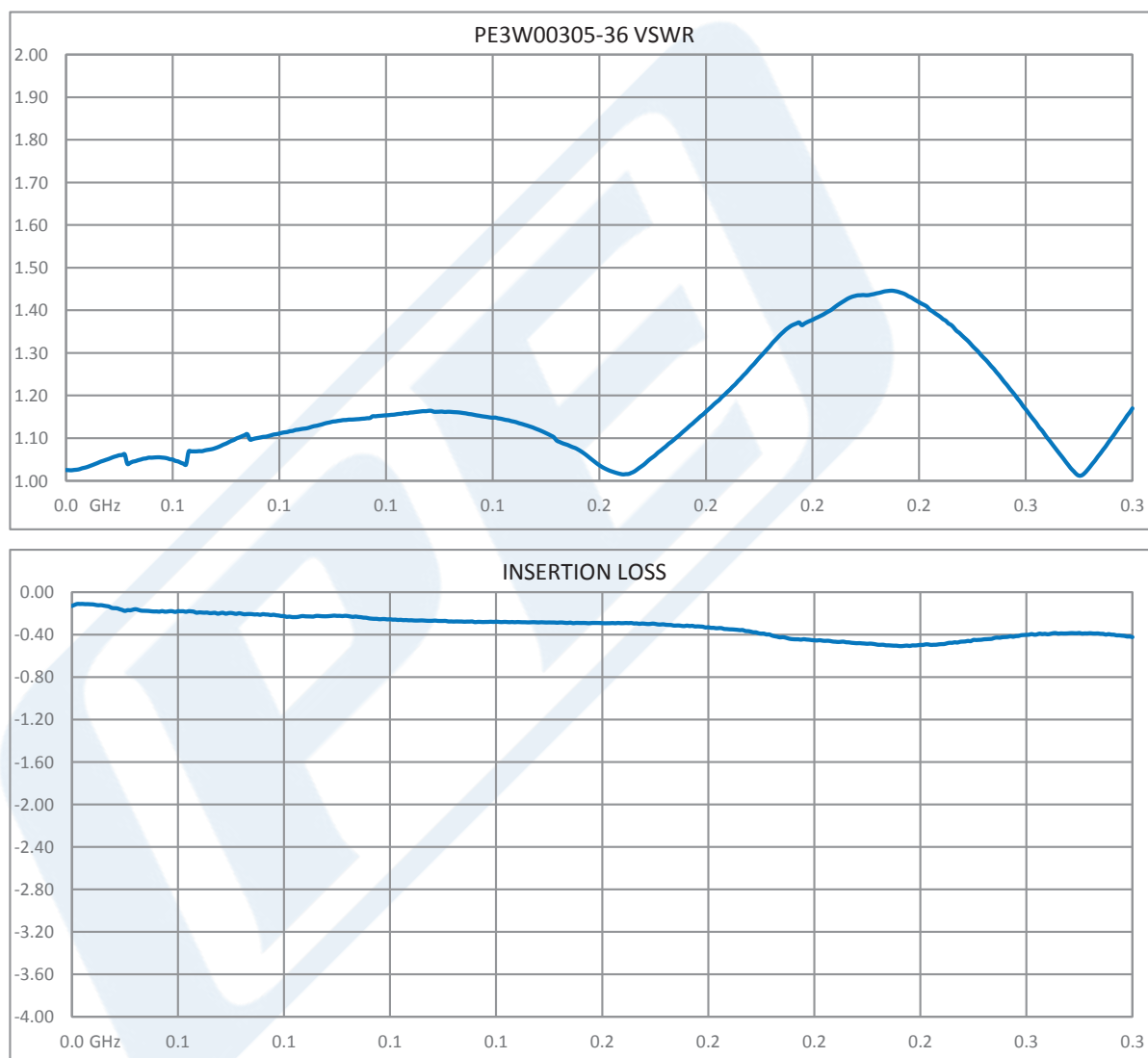
## RF Cable Assemblies Technical Data Sheet

**PE3W00305-60**

**Typical Performance Data**



PE3W00305-36 VSWR



INSERTION LOSS

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 60 Inch Length Using RG303 Coax PE3W00305-60

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
**Phone:** (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451

Sales@Pasternack.com • Techsupport@Pasternack.com

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## RF Cable Assemblies Technical Data Sheet　　　　PE3W00305-60

### How to Order

Part Number Configuration:　　　　　**PE3W00305　- xx　uu**

Unit of Measure:
  cm = Centimeters
  <blank> = Inches
Length
Base Number

Example:　　PE3W00305-12 = 12 inches long cable
　　　　　　PE3W00305-100cm = 100 cm long cable

SHV Plug to SHV Plug Cable 60 Inch Length Using RG303 Coax 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.
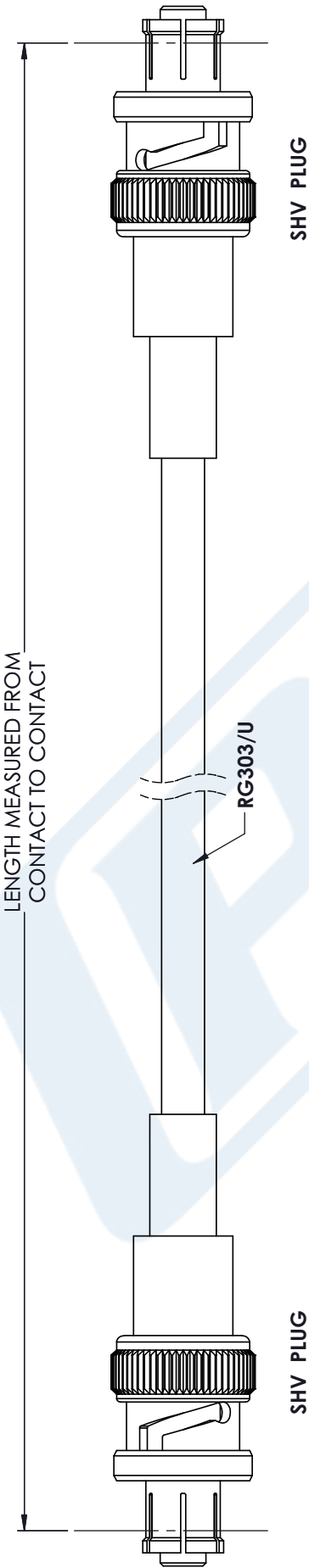
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SHV Plug to SHV Plug Cable 60 Inch Length Using RG303 Coax PE3W00305-60

URL: https://www.pasternack.com/shv-plug-shv-plug-rg303u-cable-assembly-pe3w00305-60-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.

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# PE3W00305-60 CAD Drawing
### SHV Plug to SHV Plug Cable 60 Inch Length Using RG303 Coax



SHV PLUG

SHV PLUG

LENGTH MEASURED FROM CONTACT TO CONTACT

RG303/U

STANDARD TOLERANCES
.X    ±0.2
.XX   ±0.01
.XXX  ±0.005

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

**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 07/23/18 | SCALE N/A | SIZE A |

CN2379

**DWG TITLE**
PE3W00305

| CAGE CODE | 53919 |
|---|---|

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THE ENGINEER'S RF SOURCE

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