



## SHV Plug to SHV Jack Bulkhead Cable 150 cm Length Using RG142 Coax

### RF Cable Assemblies Technical Data Sheet

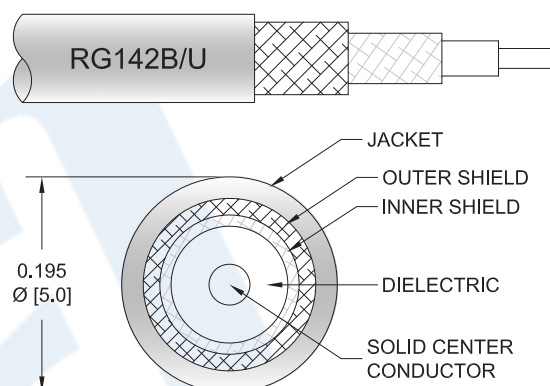
**PE3W03078-150CM**

#### Configuration

- Connector 1: SHV Plug
- Connector 2: SHV Jack Bulkhead
- Cable Type: RG142

#### Features

- Double Shielded
- FEP Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3W03078-150CM SHV plug to SHV jack bulkhead 150 cm cable using RG142 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 jack gender configuration with 50 ohm flexible RG142 coax. Our RF cable assembly with SHV bulkhead interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness.

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.

#### Mechanical Specifications

##### Cable Assembly

|          |                      |
|----------|----------------------|
| Length*  | 59.05 in [149.99 cm] |
| Diameter | 0.687 in [17.45 mm]  |

##### Cable

|                                      |                           |
|--------------------------------------|---------------------------|
| Cable Type                           | RG142                     |
| Impedance                            | 50 Ohms                   |
| Inner Conductor Type                 | Solid                     |
| Inner Conductor Material and Plating | Copper Clad Steel, Silver |
| Dielectric Type                      | PTFE                      |
| Number of Shields                    | 2                         |

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 Jack Bulkhead Cable 150 cm Length Using RG142 Coax PE3W03078-150CM](#)



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**PE3W03078-150CM**

|                              |                            |
|------------------------------|----------------------------|
| Shield Layer 1               | Silver Plated Copper Braid |
| Shield Layer 2               | Silver Plated Copper Braid |
| Jacket Material              | FEP, Tan                   |
| Jacket Diameter              | 0.195 in [4.95 mm]         |
| Repeated Minimum Bend Radius | 1 in [25.4 mm]             |

**Connectors**

| Description                        | Connector 1     | Connector 2       |
|------------------------------------|-----------------|-------------------|
| Type                               | SHV Plug        | SHV Jack Bulkhead |
| Specification                      | MIL-STD-348A    | MIL-STD-348       |
| Impedance                          | 50 Ohms         | 50 Ohms           |
| Contact Material and Plating       | Brass, Gold     | Brass, Silver     |
| Contact Plating Specification      | 30 µin minimum  | ASTM-B700         |
| Dielectric Type                    | PTFE            | PTFE              |
| Body Material and Plating          | Brass, Nickel   | Brass, Nickel     |
| Body Plating Specification         | 100 µin minimum | ASTM-B689         |
| Coupling Nut Material and Plating  | Brass, Nickel   |                   |
| Coupling Nut Plating Specification | 100 µin minimum |                   |

**Mechanical Specification Notes:**

\*All cable assemblies have a length tolerance of 1.5% or  $\pm 3/8"$ , whichever is greater.

**Environmental Specifications**

**Temperature**

Operating Range -55 to +165 deg C

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

**Plotted and Other Data**

Notes:

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**PE3W03078-150CM**

#### How to Order

Part Number Configuration:

**PE3W03078**

- **xx**

**uu**

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

Example: PE3W03078-12 = 12 inches long cable  
PE3W03078-100cm = 100 cm long cable

SHV Plug to SHV Jack Bulkhead Cable 150 cm Length Using RG142 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 Jack Bulkhead Cable 150 cm Length Using RG142 Coax PE3W03078-150CM](https://www.pasternack.com/shv-plug-shv-jack-rg142bu-cable-assembly-pe3w03078-150cm-p.aspx)

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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.

# PE3W03078-150CM CAD Drawing

SHV Plug to SHV Jack Bulkhead Cable 150 cm Length Using RG142 Coax

