



SHV Jack Bulkhead to Trimmed Lead Cable Using RG142 Coax

RF Cable Assemblies Technical Data Sheet

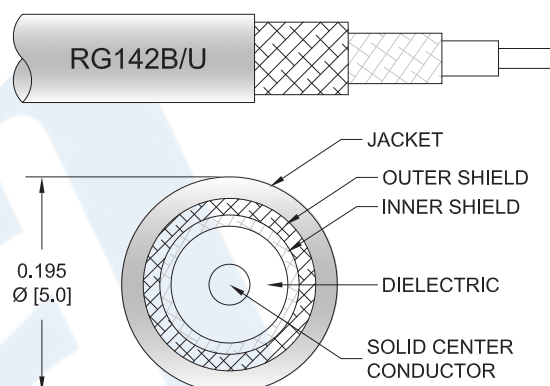
PE3C7789

Configuration

- Connector 1: SHV Jack Bulkhead
- Connector 2: Trimmed Lead
- Cable Type: RG142

Features

- 70% Phase Velocity
- Double Shielded
- FEP Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C7789 50 ohm SHV jack bulkhead to trimmed lead 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. 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.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Velocity of Propagation		70		%
Capacitance		29.4 [96.46]		pF/ft [pF/m]

Mechanical Specifications

Cable Assembly

Weight 0.112 lbs [50.8 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SHV Jack Bulkhead to Trimmed Lead Cable Using RG142 Coax PE3C7789](#)



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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
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 Jack Bulkhead	Trimmed Lead
Specification	MIL-STD-348	
Impedance	50 Ohms	0 Ohms
Contact Material and Plating	Brass, Silver	
Contact Plating Specification	ASTM-B700	
Dielectric Type	PTFE	
Body Material and Plating	Brass, Nickel	
Body Plating Specification	ASTM-B689	

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

Plotted and Other Data

Notes:

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PE3C7789

How to Order

Part Number Configuration:

PE3C7789

- **xx**

uu

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

Example: PE3C7789-12 = 12 inches long cable
PE3C7789-100cm = 100 cm long cable

SHV Jack Bulkhead to Trimmed Lead Cable 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 Jack Bulkhead to Trimmed Lead Cable Using RG142 Coax PE3C7789](https://www.pasternack.com/shv-jack-bulkhead-to-trimmed-lead-cable-using-rg142-pe3c7789-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.

PE3C7789 CAD Drawing

