



## Reverse Polarity SMA Jack to Reverse Polarity SMA Plug Cable Using RG8X Coax with HeatShrink

### RF Cable Assemblies Technical Data Sheet

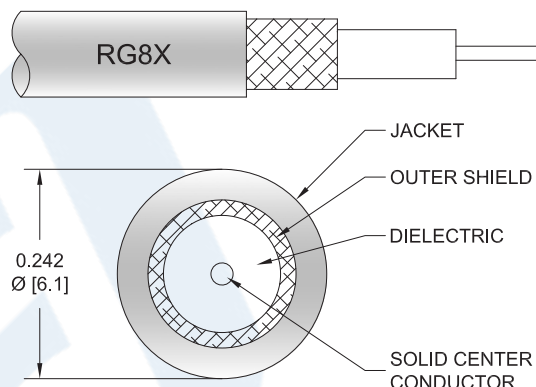
**PE3C1394/HS**

#### Configuration

- Connector 1: SMA Jack Reverse Polarity
- Connector 2: SMA Plug Reverse Polarity
- Cable Type: RG8X

#### Features

- Max Frequency 1 GHz
- PVC (NC) Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3C1394/HS reverse polarity SMA jack to reverse polarity SMA plug cable using RG8X 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 reverse polarity SMA to reverse polarity SMA cable assembly has a jack to plug gender configuration with 50 ohm flexible RG8X coax. The PE3C1394/HS reverse polarity SMA jack to reverse polarity SMA plug 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Reverse Polarity SMA Jack to Reverse Polarity SMA Plug Cable Using RG8X Coax with Heat-Shrink PE3C1394/HS](#)



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#### Electrical Specifications

| Description     | Minimum | Typical   | Maximum | Units        |
|-----------------|---------|-----------|---------|--------------|
| Frequency Range | DC      |           | 1,000   | MHz          |
| VSWR            |         |           | 1.4:1   |              |
| Capacitance     |         | 26 [85.3] |         | pF/ft [pF/m] |

#### Specifications by Frequency

| Description           | F1    | F2    | F3    | F4   | F5    | Units |
|-----------------------|-------|-------|-------|------|-------|-------|
| Frequency             | 50    | 100   | 250   | 500  | 1,000 | MHz   |
| Insertion Loss (Typ.) | 0.017 | 0.026 | 0.053 | 0.09 | 0.135 | dB/ft |
|                       | 0.06  | 0.09  | 0.17  | 0.3  | 0.44  | dB/m  |

#### Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1dB per connector.

#### Mechanical Specifications

##### Cable Assembly

Weight 0.064 lbs [29.03 g]

##### Cable

|                                      |                    |
|--------------------------------------|--------------------|
| Cable Type                           | RG8X               |
| Impedance                            | 50 Ohms            |
| Inner Conductor Type                 | Stranded           |
| Inner Conductor Material and Plating | Copper             |
| Dielectric Type                      | PE (F)             |
| Number of Shields                    | 1                  |
| Shield Layer 1                       | Copper Braid       |
| Jacket Material                      | PVC (NC), Black    |
| Jacket Diameter                      | 0.242 in [6.15 mm] |

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#### Connectors

| Description                       | Connector 1               | Connector 2               |
|-----------------------------------|---------------------------|---------------------------|
| Type                              | SMA Jack Reverse Polarity | SMA Plug Reverse Polarity |
| Impedance                         | 50 Ohms                   | 50 Ohms                   |
| Contact Material and Plating      | Beryllium Copper, Gold    | Beryllium Copper, Gold    |
| Dielectric Type                   | PTFE                      | PTFE                      |
| Body Material and Plating         | Brass, Gold               | Brass, Gold               |
| Coupling Nut Material and Plating |                           | Brass, Gold               |
| Hex Size                          |                           | 5/16 inch                 |
| Torque                            |                           | 3 in-lbs [0.34 Nm]        |

#### Environmental Specifications

##### Temperature

Operating Range

-40 to +80 deg C

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

#### Plotted and Other Data

Notes:

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**PE3C1394/HS**

#### How to Order

Part Number Configuration:

**PE3C1394/HS**

- **xx**

**uu**

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

Example: PE3C1394/HS-12 = 12 inches long cable  
PE3C1394/HS-100cm = 100 cm long cable

Reverse Polarity SMA Jack to Reverse Polarity SMA Plug Cable Using RG8X 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.

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URL:

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.

# PE3C1394/HS CAD Drawing

Reverse Polarity SMA Jack to Reverse Polarity SMA Plug  
Cable Using RG8X Coax with HeatShrink

