



## Reverse Polarity SMA Male to Reverse Polarity SMA Male Cable 60 Inch Length Using RG142 Coax

### RF Cable Assemblies Technical Data Sheet

**PE34750-60**

#### Configuration

- Connector 1: SMA Male Reverse Polarity
- Connector 2: SMA Male Reverse Polarity
- Cable Type: RG142

#### Electrical Specifications

| Description             | Minimum | Typical      | Maximum | Units        |
|-------------------------|---------|--------------|---------|--------------|
| Velocity of Propagation |         | 69.2         |         | %            |
| RF Shielding            | 90      |              |         | dB           |
| Capacitance             |         | 29.4 [96.46] |         | pF/ft [pF/m] |

#### Specifications by Frequency

| Description           | F1  | F2   | F3   | F4 | F5 | Units |
|-----------------------|-----|------|------|----|----|-------|
| Frequency             | 0.1 | 1    | 3    | 5  |    | GHz   |
| Insertion Loss (Typ.) | 0.4 | 0.85 | 1.39 | 2  |    | dB    |

#### Mechanical Specifications

##### Cable Assembly

|          |                    |
|----------|--------------------|
| Length*  | 60 in [152.4 cm]   |
| Diameter | 0.312 in [7.92 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                          |
| 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]         |

|                              |                     |
|------------------------------|---------------------|
| One Time Minimum Bend Radius | 0.984 in [24.99 mm] |
|------------------------------|---------------------|

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 Male to Reverse Polarity SMA Male Cable 60 Inch Length Using RG142 Coax PE34750-60](#)



Reverse Polarity SMA Male to Reverse Polarity SMA  
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Repeated Minimum Bend Radius 2 in [50.8 mm]

**Connectors**

| Description                        | Connector 1               | Connector 2               |
|------------------------------------|---------------------------|---------------------------|
| Type                               | SMA Male Reverse Polarity | SMA Male Reverse Polarity |
| Specification                      | MIL-STD-348               | MIL-STD-348               |
| Impedance                          | 50 Ohms                   | 50 Ohms                   |
| Contact Material and Plating       | Gold                      | Gold                      |
| Contact Plating Specification      | MIL-G-45204               | MIL-G-45204               |
| Dielectric Type                    | PTFE                      | PTFE                      |
| Body Material and Plating          | Brass, Nickel             | Brass, Nickel             |
| Body Plating Specification         | QQ-N-290                  | QQ-N-290                  |
| Coupling Nut Material and Plating  | Brass, Nickel             | Brass, Nickel             |
| Coupling Nut Plating Specification | QQ-N-290                  | QQ-N-290                  |
| Hex Size                           | 5/16 inch                 | 5/16 in.                  |
| Torque                             | 5 in-lbs [0.57 Nm]        | 5 in-lbs [0.57 Nm]        |

Mechanical Specification Notes:

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

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

**Plotted and Other Data**

Notes:

- Values at 25°C, sea level.

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 Male to Reverse Polarity SMA Male Cable 60 Inch Length Using RG142 Coax PE34750-60](#)



## Reverse Polarity SMA Male to Reverse Polarity SMA Male Cable 60 Inch Length Using RG142 Coax

### RF Cable Assemblies Technical Data Sheet

**PE34750-60**

#### How to Order

Part Number Configuration:

**PE34750**

- **xx**

**uu**

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

Example: PE34750-12 = 12 inches long cable  
PE34750-100cm = 100 cm long cable

Reverse Polarity SMA Male to Reverse Polarity SMA Male Cable 60 Inch 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.

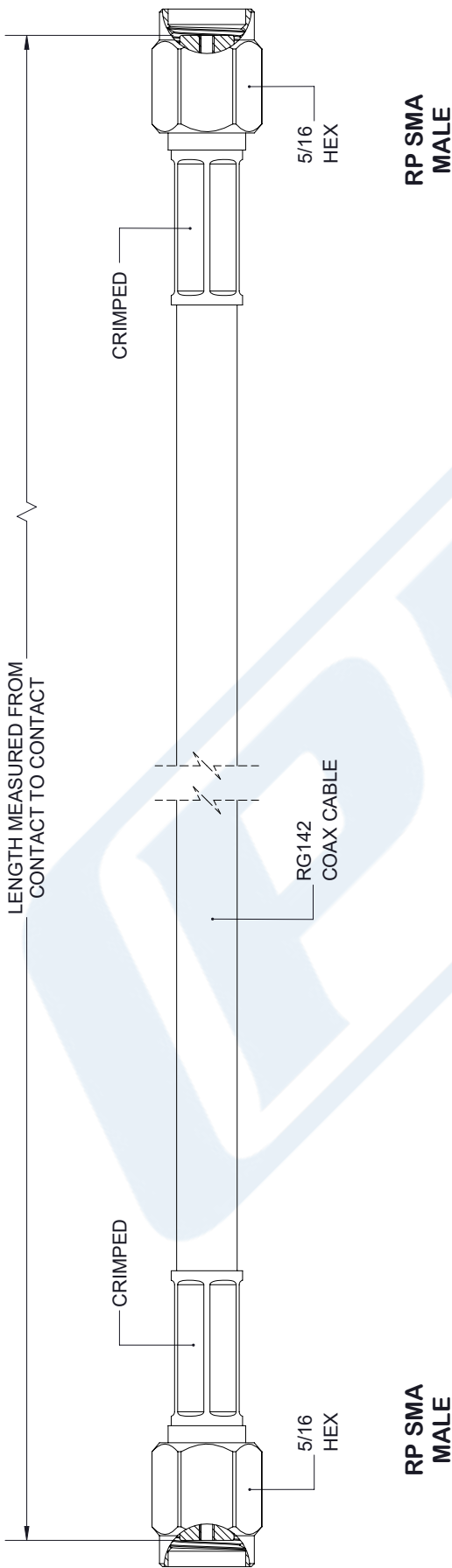
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Reverse Polarity SMA Male to Reverse Polarity SMA Male Cable 60 Inch Length Using RG142 Coax PE34750-60](https://www.pasternack.com/sma-male-sma-male-rg142bu-cable-assembly-pe34750-60-p.aspx)

URL: <https://www.pasternack.com/sma-male-sma-male-rg142bu-cable-assembly-pe34750-60-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.

PE34750-60 CAD Drawing

Reverse Polarity SMA Male to Reverse Polarity SMA Male  
Cable 60 Inch Length Using RG142 Coax



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

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES



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DWG TITLE

PE34750

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].

CAGE CODE 53919

CAD FILE 110117

SCALE N/A

SIZE A

7361