



SMA Male to SMA Male Cable 6 Inch  
Length Using RG174 Coax, RoHS

RF Cable Assemblies Technical Data Sheet

PE3353LF-6

**Configuration**

- Connector 1: SMA Male
- Connector 2: SMA Male
- Cable Type: RG174

**Electrical Specifications**

| Description             | Minimum | Typical       | Maximum | Units        |
|-------------------------|---------|---------------|---------|--------------|
| Frequency Range         | DC      |               | 1,000   | MHz          |
| VSWR                    |         |               | 1.4:1   |              |
| Velocity of Propagation |         | 66            |         | %            |
| Capacitance             |         | 30.8 [101.05] |         | pF/ft [pF/m] |

**Specifications by Frequency**

| Description           | F1    | F2     | F3     | F4     | F5     | Units |
|-----------------------|-------|--------|--------|--------|--------|-------|
| Frequency             | 50    | 100    | 250    | 500    | 1,000  | MHz   |
| Insertion Loss (Max.) | 0.22  | 0.24   | 0.27   | 0.31   | 0.36   | dB    |
| VSWR (Max.)           | 1.4:1 | 1.4:1  | 1.4:1  | 1.4:1  | 1.4:1  |       |
| Return Loss (Max.)    | 15.56 | 15.563 | 15.563 | 15.563 | 15.563 | dB    |

**Mechanical Specifications**

**Cable Assembly**

|          |                    |
|----------|--------------------|
| Length   | 6 in [152.4 mm]    |
| Diameter | 0.312 in [7.92 mm] |
| Weight   | 0.017 lbs [7.71 g] |

**Cable**

|                                      |                     |
|--------------------------------------|---------------------|
| Cable Type                           | RG174               |
| Impedance                            | 50 Ohms             |
| Inner Conductor Type                 | Stranded            |
| Inner Conductor Material and Plating | Copper Clad Steel   |
| Dielectric Type                      | PE (LD)             |
| Number of Shields                    | 1                   |
| Shield Layer 1                       | Tinned Copper Braid |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to SMA Male Cable 6 Inch Length Using RG174 Coax, RoHS PE3353LF-6](#)



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Jacket Material PVC, Black  
Jacket Diameter 0.1 in [2.54 mm]

**Connectors**

| Description                        | Connector 1        | Connector 2        |
|------------------------------------|--------------------|--------------------|
| Type                               | SMA Male           | SMA Male           |
| 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                    | PTFE               | PTFE               |
| Coupling Nut Material and Plating  | Brass, Nickel      | Brass, Nickel      |
| Coupling Nut Plating Specification | 100µ in. Minimum   | 100µ in. Minimum   |
| Hex Size                           | 5/16 in            | 5/16 in            |
| Torque                             | 5 in-lbs [0.57 Nm] | 5 in-lbs [0.57 Nm] |
| Body Material and Plating          | Brass, Nickel      | Brass, Nickel      |
| Body Plating Specification         | 100µ in. Minimum   | 100µ in. Minimum   |

**Environmental Specifications**

**Temperature**

Operating Range -40 to +80 deg C

**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

RoHS Compliant Yes  
REACH Compliant 12/19/2011

**Plotted and Other Data**

Notes:

- Values at 25°C, sea level.

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## SMA Male to SMA Male Cable 6 Inch Length Using RG174 Coax, RoHS

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#### How to Order

Part Number Configuration:

PE3353LF

- xx

uu

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

Example: PE3353LF-12 = 12 inches long cable  
PE3353LF-100cm = 100 cm long cable

SMA Male to SMA Male Cable 6 Inch Length Using RG174 Coax, RoHS from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

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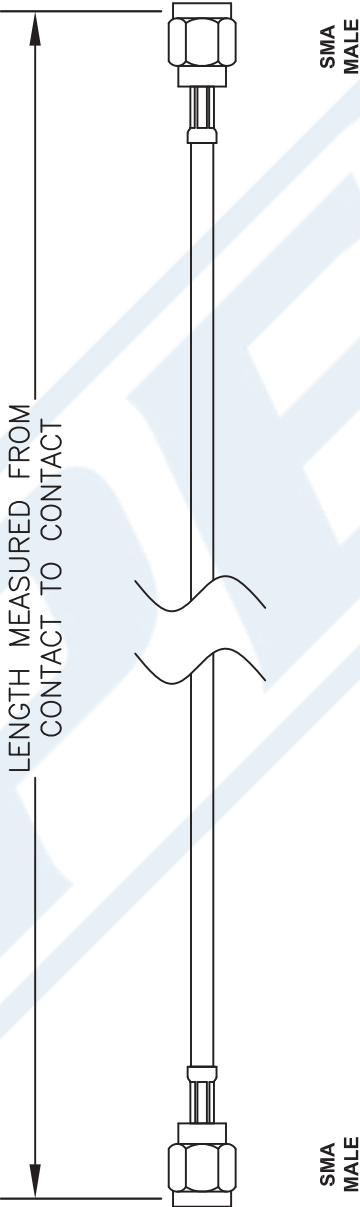
URL: <http://www.pasternack.com/sma-male-sma-male-rg174au-cable-assembly-pe3353lf-6-p.aspx>

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.

PE3353LF-6 CAD Drawing

SMA Male to SMA Male Cable 6 Inch Length Using RG174 Coax, RoHS

| Standard Lengths |                         |
|------------------|-------------------------|
| -12              | 12"                     |
| -24              | 24"                     |
| -36              | 36"                     |
| -48              | 48"                     |
| -60              | 60"                     |
| -XXX             | Custom Length 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].  
4. LENGTH TOLERANCE IS  $\pm 1.5\%$  OR  $3/8"$ , WHICHEVER IS GREATER.

DWG TITLE  
**PE3353LF-XX**

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REV. A

FSCM NO. 53919

CAD FILE 021308

SCALE N/A

SIZE A

127