



SMA Male to SMA Male Cable 72 Inch Length Using RG174 Coax

RF Cable Assemblies Technical Data Sheet

PE3353-72

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.) | 0.45 | 0.7 | 1.02 | 1.47 | 2.12 | 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 | 72 in [182.88 cm] |
| Diameter | 0.312 in [7.92 mm] |
| Weight | 0.063 lbs [28.58 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 72 Inch Length Using RG174 Coax PE3353-72](#)



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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 for current document)

For RoHS Compliant version, use PE3353LF-72. Contact Pasternack if product cannot be found.
 REACH Compliant 12/19/2011

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: [SMA Male to SMA Male Cable 72 Inch Length Using RG174 Coax PE3353-72](#)



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How to Order

Part Number Configuration:

PE3353

- xx

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Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE3353-12 = 12 inches long cable
PE3353-100cm = 100 cm long cable

SMA Male to SMA Male Cable 72 Inch Length Using RG174 Coax 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.

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 72 Inch Length Using RG174 Coax PE3353-72](#)

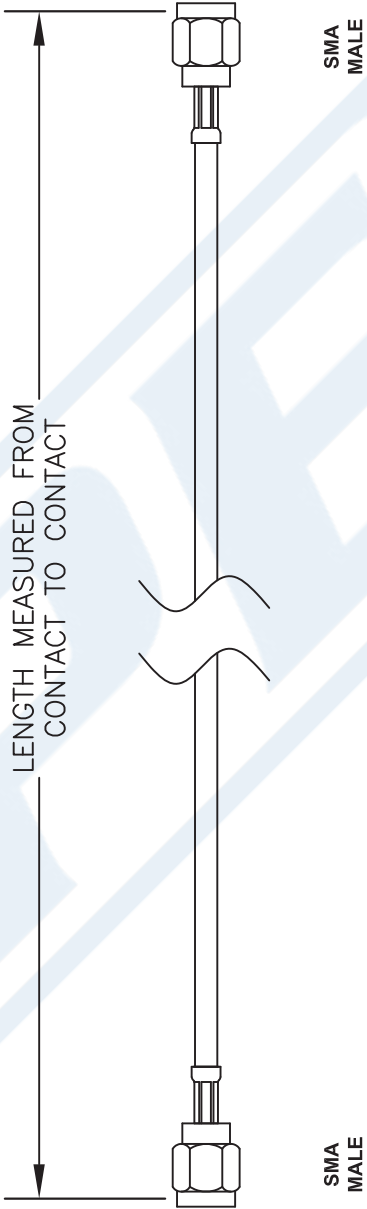
URL: <http://www.pasternack.com/sma-male-sma-male-rg174au-cable-assembly-pe3353-72-p.aspx>

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.

PE3353-72 CAD Drawing

SMA Male to SMA Male Cable 72 Inch Length Using RG174 Coax

| 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
PE3353-XX

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| | | | | | |
|--------|----------------|-----------------|-----------|--------|-----|
| REV. A | FSCM NO. 53919 | CAD FILE 021308 | SCALE N/A | SIZE A | 127 |
|--------|----------------|-----------------|-----------|--------|-----|