



SMA Male to SMA Male Cable 36 Inch  
Length Using Tinned RG402 Coax

RF Cable Assemblies Technical Data Sheet

PE3C1015-36

**Configuration**

- Connector 1: SMA Male
- Connector 2: SMA Male
- Cable Type: RG402 Tinned

**Electrical Specifications**

| Description     | Minimum | Typical | Maximum | Units |
|-----------------|---------|---------|---------|-------|
| Frequency Range | DC      |         | 18      | GHz   |
| VSWR            |         |         | 1.4:1   |       |

**Specifications by Frequency**

| Description           | F1    | F2     | F3     | F4     | F5     | Units |
|-----------------------|-------|--------|--------|--------|--------|-------|
| Frequency             | 1     | 2      | 4.5    | 9      | 18     | GHz   |
| Insertion Loss (Max.) | 0.36  | 0.54   | 0.84   | 1.32   | 2.01   | 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    |

**Electrical Specification Notes:**

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as .05dB x Frequency (GHz) per connector.

**Mechanical Specifications**

**Cable Assembly**

|                              |                    |
|------------------------------|--------------------|
| Length                       | 36 in [914.4 mm]   |
| Diameter                     | 0.315 in [8 mm]    |
| Weight                       | 0.022 lbs [9.98 g] |
| One Time Minimum Bend Radius | 1 in [25.4 mm]     |

**Cable**

|                                      |                           |
|--------------------------------------|---------------------------|
| Cable Type                           | RG402 Tinned              |
| Impedance                            | 50 Ohms                   |
| Inner Conductor Type                 | Solid                     |
| Inner Conductor Material and Plating | Copper Clad Steel, Silver |
| Dielectric Type                      | PTFE                      |
| Number of Shields                    | 1                         |

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 36 Inch Length Using Tinned RG402 Coax PE3C1015-36](#)



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Shield Layer 1

Tinned Copper

**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      | 50µ in. minimum       | 50µ in. minimum       |
| Dielectric Type                    | Teflon                | Teflon                |
| 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          | Stainless Steel, Gold | Stainless Steel, Gold |
| Body Plating Specification         | 10µ in. minimum       | 10µ in. minimum       |

**Environmental Specifications**

**Temperature**

Operating Range

-55 to +125 deg C

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

For RoHS Compliant version, use PE3c1015LF-36. Contact Pasternack if product cannot be found.  
REACH Compliant 01/01/1753

**Plotted and Other Data**

Notes:

- Values at 25°C, sea level.

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## SMA Male to SMA Male Cable 36 Inch Length Using Tinned RG402 Coax

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#### How to Order

Part Number Configuration:

**PE3C1015**

- **xx**

**uu**

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

Example: PE3C1015-12 = 12 inches long cable  
PE3C1015-100cm = 100 cm long cable

SMA Male to SMA Male Cable 36 Inch Length Using Tinned RG402 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.

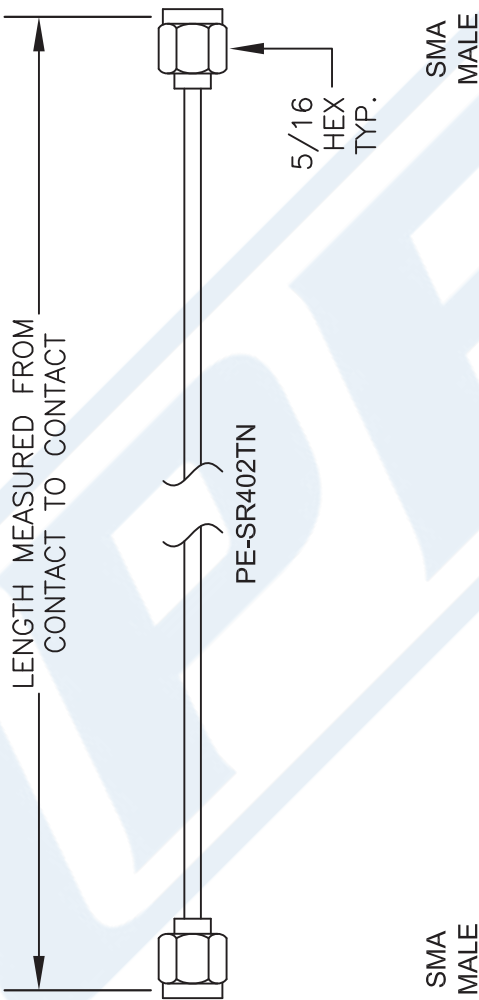
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to SMA Male Cable 36 Inch Length Using Tinned RG402 Coax PE3C1015-36](#)

URL: <http://www.pasternack.com/sma-male-sma-male-tinned-rg402-cable-assembly-pe3c1015-36-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.

PE3C1015-36 CAD Drawing

SMA Male to SMA Male Cable 36 Inch Length Using Tinned RG402 Coax



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 | PE3C1015 |       |          |        |
|           | FSCM NO. | 53919 | CAD FILE | 111715 |
|           | SCALE    | N/A   | SIZE     | A      |
|           |          |       |          | 2233   |

PE

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Pasternack Enterprises, Inc.  
P.O. Box 16759 | Irvine | CA | 92623  
Phone: (949) 261-1920 | Fax: (949) 261-7451  
Website: [www.pasternack.com](http://www.pasternack.com) | E-Mail: [sales@pasternack.com](mailto:sales@pasternack.com)