



SMA Male Right Angle to SMA Male Right Angle Cable 48 Inch Length Using RG402 Coax

RF Cable Assemblies Technical Data Sheet

PE3819-48

Configuration

- Connector 1: SMA Male Right Angle
- Connector 2: SMA Male Right Angle
- Cable Type: RG402

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|--------------------------------------|---------|-------------|---------|--------------|
| Frequency Range | DC | | 12.4 | GHz |
| VSWR | | | 1.5:1 | |
| Capacitance | | 29.9 [98.1] | | pF/ft [pF/m] |
| Dielectric Withstanding Voltage (AC) | | | 1,000 | Vrms |

Specifications by Frequency

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|-----------------------|-------|-------|-------|-------|-------|-------|
| Frequency | 0.5 | 1 | 2.5 | 5 | 12.4 | GHz |
| Insertion Loss (Typ.) | 0.44 | 0.68 | 0.9 | 1.267 | 2.24 | dB |
| VSWR (Max.) | 1.5:1 | 1.5:1 | 1.5:1 | 1.5:1 | 1.5:1 | |

Mechanical Specifications

Cable Assembly

| | |
|----------|--------------------|
| Length | 48 in [121.92 cm] |
| Diameter | 0.315 in [8 mm] |
| Weight | 0.166 lbs [75.3 g] |

Cable

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

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Right Angle to SMA Male Right Angle Cable 48 Inch Length Using RG402 Coax PE3819-48](#)



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Connectors

| Description | Connector 1 | Connector 2 |
|------------------------------------|-----------------------|-----------------------|
| Type | SMA Male Right Angle | SMA Male Right Angle |
| 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 | 30µ in. minimum | 30µ in. minimum |

Compliance Certifications (visit www.Pasternack.com for current document)

For RoHS Compliant version, use PE3819LF-48. Contact Pasternack if product cannot be found.

REACH Compliant

12/19/2011

Plotted and Other Data

Notes:

- Values at 25°C, sea level.

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How to Order

Part Number Configuration:

PE3819

- xx

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

Example: PE3819-12 = 12 inches long cable
PE3819-100cm = 100 cm long cable

SMA Male Right Angle to SMA Male Right Angle Cable 48 Inch Length Using 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.

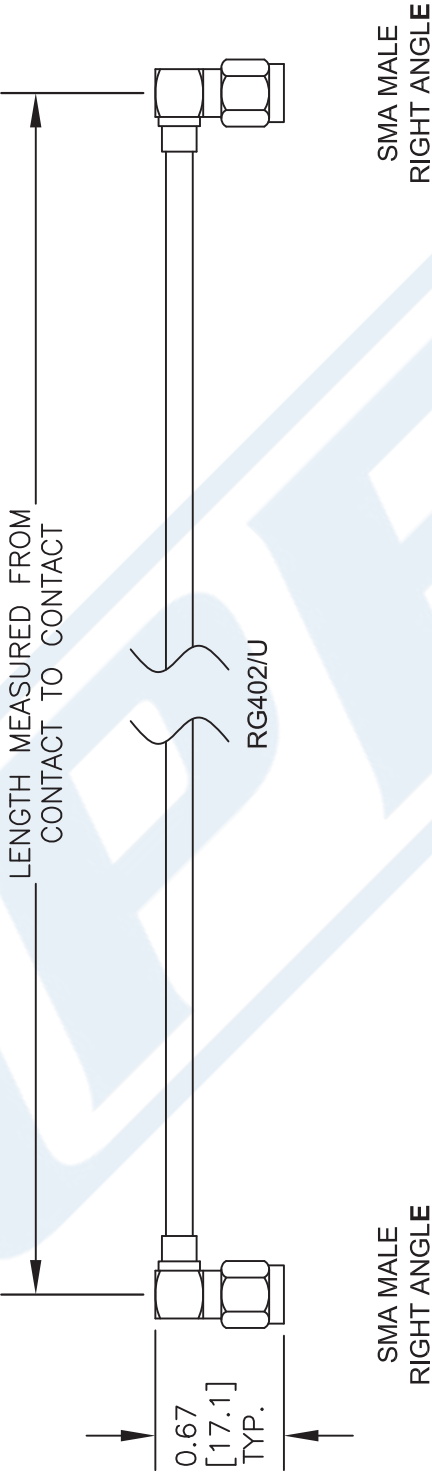
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Right Angle to SMA Male Right Angle Cable 48 Inch Length Using RG402 Coax PE3819-48](https://www.pasternack.com/sma-male-sma-male-rg402u-cable-assembly-pe3819-48-p.aspx)

URL: <https://www.pasternack.com/sma-male-sma-male-rg402u-cable-assembly-pe3819-48-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.

PE3819-48 CAD Drawing

SMA Male Right Angle to SMA Male Right Angle Cable 48 Inch Length Using 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
PE3819

FSCM NO. 53919

CAD FILE 062716

SCALE N/A

SIZE A

2233



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