



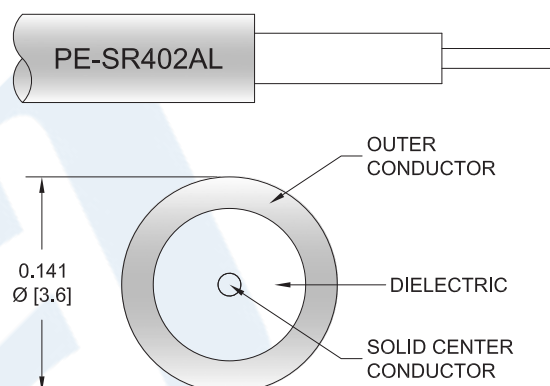
SMA Male to SMA Female Cable 12 Inch Length Using PE-SR402AL Coax

RF Cable Assemblies Technical Data Sheet

PE34235-12

Configuration

- Connector 1: SMA Male
- Connector 2: SMA Female
- Cable Type: PE-SR402AL



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 |
| 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 | 12 in [304.8 mm] |
| Diameter | 0.315 in [8 mm] |
| Weight | 0.031 lbs [14.06 g] |

Cable

| | |
|--------------------------------------|---------------------------|
| Cable Type | PE-SR402AL |
| Impedance | 50 Ohms |
| Inner Conductor Type | Solid |
| Inner Conductor Material and Plating | Copper Clad Steel, Silver |

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 Female Cable 12 Inch Length Using PE-SR402AL Coax PE34235-12](#)



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| | |
|------------------------------|--------------------|
| Dielectric Type | PTFE |
| Number of Shields | 1 |
| Shield Layer 1 | Tinned Aluminum |
| Jacket Diameter | 0.141 in [3.58 mm] |
| One Time Minimum Bend Radius | 0.1 in [2.54 mm] |

Connectors

| Description | Connector 1 | Connector 2 |
|------------------------------------|-----------------------|------------------------|
| Type | SMA Male | SMA Female |
| Specification | MIL-STD-348A | MIL-STD-348 |
| Impedance | 50 Ohms | 50 Ohms |
| Contact Material and Plating | Brass, Gold | Beryllium Copper, Gold |
| Contact Plating Specification | 50µ in. minimum | MIL-G-45204 |
| Dielectric Type | Teflon | Teflon |
| Coupling Nut Material and Plating | Brass, Nickel | |
| Coupling Nut Plating Specification | 100µ in. minimum | |
| Hex Size | 5/16 in | |
| Torque | 5 in-lbs [0.57 Nm] | |
| Body Material and Plating | Stainless Steel, Gold | Stainless Steel, Gold |
| Body Plating Specification | 10µ in. minimum | MIL-G-45204 |

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

For RoHS Compliant version, use PE34235LF-12. Contact Pasternack if product cannot be found.

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 Female Cable 12 Inch Length Using PE-SR402AL Coax PE34235-12](#)



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PE34235-12

How to Order

Part Number Configuration:

PE34235

- **xx**

uu

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

Example: PE34235-12 = 12 inches long cable
PE34235-100cm = 100 cm long cable

SMA Male to SMA Female Cable 12 Inch Length Using PE-SR402AL 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 Female Cable 12 Inch Length Using PE-SR402AL Coax PE34235-12](http://www.pasternack.com/sma-male-sma-female-pe-sr402al-cable-assembly-pe34235-12-p.aspx)

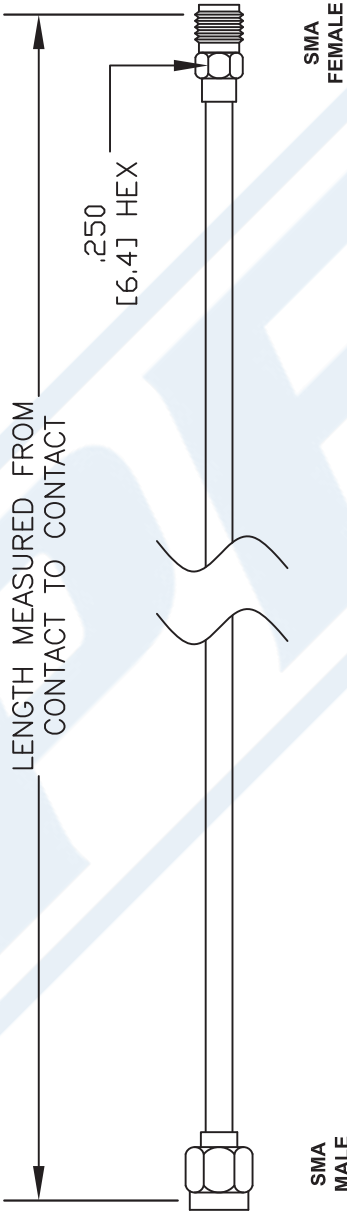
URL: <http://www.pasternack.com/sma-male-sma-female-pe-sr402al-cable-assembly-pe34235-12-p.aspx>

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.

PE34235-12 CAD Drawing

SMA Male to SMA Female Cable 12 Inch Length Using PE-SR402AL 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

PE34235-XX

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REV. - FSCM NO. 53919

CAD FILE 010507

SCALE N/A

SIZE A

127