



## Pigtail Test Probe Cable SMA Female to Pre-Trimmed Lead 9 Inch Length Using PE-034SR Coax, RoHS

### RF Cable Assemblies Technical Data Sheet

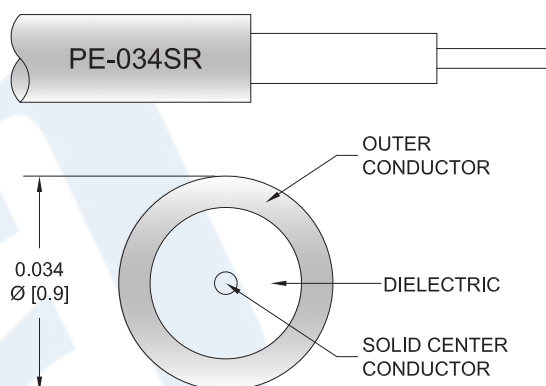
**PE3CA1105-9**

#### Configuration

- Connector 1: SMA Female
- Connector 2: Trimmed Lead
- Cable Type: PE-034SR

#### Features

- 100% RF Tested prior to final trim
- 1.35 Max VSWR to 6 GHz
- 100% High Pot Tested to 500V
- .034 Diameter Semi Rigid coax
- Individually packed in protective tube



#### Applications

- Used as an RF Test Probe to 6 GHz
- RF PCB board measurements
- Signal injection

#### Description

These SMA Female to pre-trimmed cables assemblies are designed to be used as convenient test probes. The pre-trimmed end of the cable assembly has an exposed center conductor and dielectric and is ready for use. A common Research and development application is to solder the trimmed end of the cable to an exposed microstrip trace to inject a signal or to measure a signal of interest. Each cable assembly is individually packaged in a reusable protective tube. These test probes have been 100% RF tested as a two ended assembly prior to trimming in order to verify the assemblies perform to 6 GHz with a maximum VSWR of 1.35:1. Flush Cutt Test Probes are also available.

#### Electrical Specifications

| Description            | Minimum | Typical | Maximum | Units |
|------------------------|---------|---------|---------|-------|
| Frequency Range        | DC      |         | 6       | GHz   |
| VSWR                   |         |         | 1.35:1  |       |
| Operating Voltage (AC) |         |         | 500     | Vrms  |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Pigtail Test Probe Cable SMA Female to Trimmed Lead 9 Inch Length Using PE-034SR Coax, RoHS PE3CA1105-9](#)



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### Specifications by Frequency

| Description           | F1     | F2     | F3 | F4 | F5 | Units |
|-----------------------|--------|--------|----|----|----|-------|
| Frequency             | 1      | 6      |    |    |    | GHz   |
| Insertion Loss (Typ.) | 0.36   | 0.83   |    |    |    | dB    |
| VSWR (Max.)           | 1.35:1 | 1.35:1 |    |    |    |       |

### Mechanical Specifications

#### Cable Assembly

|         |                    |
|---------|--------------------|
| Length* | 9 in [228.6 mm]    |
| Weight  | 0.019 lbs [8.62 g] |

#### Cable

|                                      |                           |
|--------------------------------------|---------------------------|
| Cable Type                           | PE-034SR                  |
| Impedance                            | 50 Ohms                   |
| Inner Conductor Type                 | Solid                     |
| Inner Conductor Material and Plating | Copper Clad Steel, Silver |
| Dielectric Type                      | PTFE                      |
| Number of Shields                    | 1                         |
| Jacket Material                      | Copper, Tan               |
| Jacket Diameter                      | 0.034 in [0.86 mm]        |

### Connectors

| Description                          | Connector 1 | Connector 2  |
|--------------------------------------|-------------|--------------|
| Type                                 | SMA Female  | Trimmed Lead |
| Impedance                            | 50 Ohms     | 50 Ohms      |
| Outer Conductor Material and Plating | Brass, Gold |              |
| Body Material and Plating            | Brass, Gold |              |

Mechanical Specification Notes:

\*All cable assemblies have a length tolerance of 1.5% or  $\pm 3/8$ ", whichever is greater.

### Environmental Specifications

#### Temperature

|                 |            |
|-----------------|------------|
| Operating Range | +125 deg C |
|-----------------|------------|

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## Pigtail Test Probe Cable SMA Female to Pre-Trimmed Lead 9 Inch Length Using PE-034SR Coax, RoHS

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**PE3CA1105-9**

**Compliance Certifications** (see [product page](#) for current document)

#### Plotted and Other Data

Notes:

- Values at 25°C, sea level.

#### How to Order

Part Number Configuration:

**PE3CA1105**

- **xx**

**uu**

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

Example: PE3CA1105-12 = 12 inches long cable  
PE3CA1105-100cm = 100 cm long cable

Pigtail Test Probe Cable SMA Female to Pre-Trimmed Lead 9 Inch Length Using PE-034SR Coax, RoHS from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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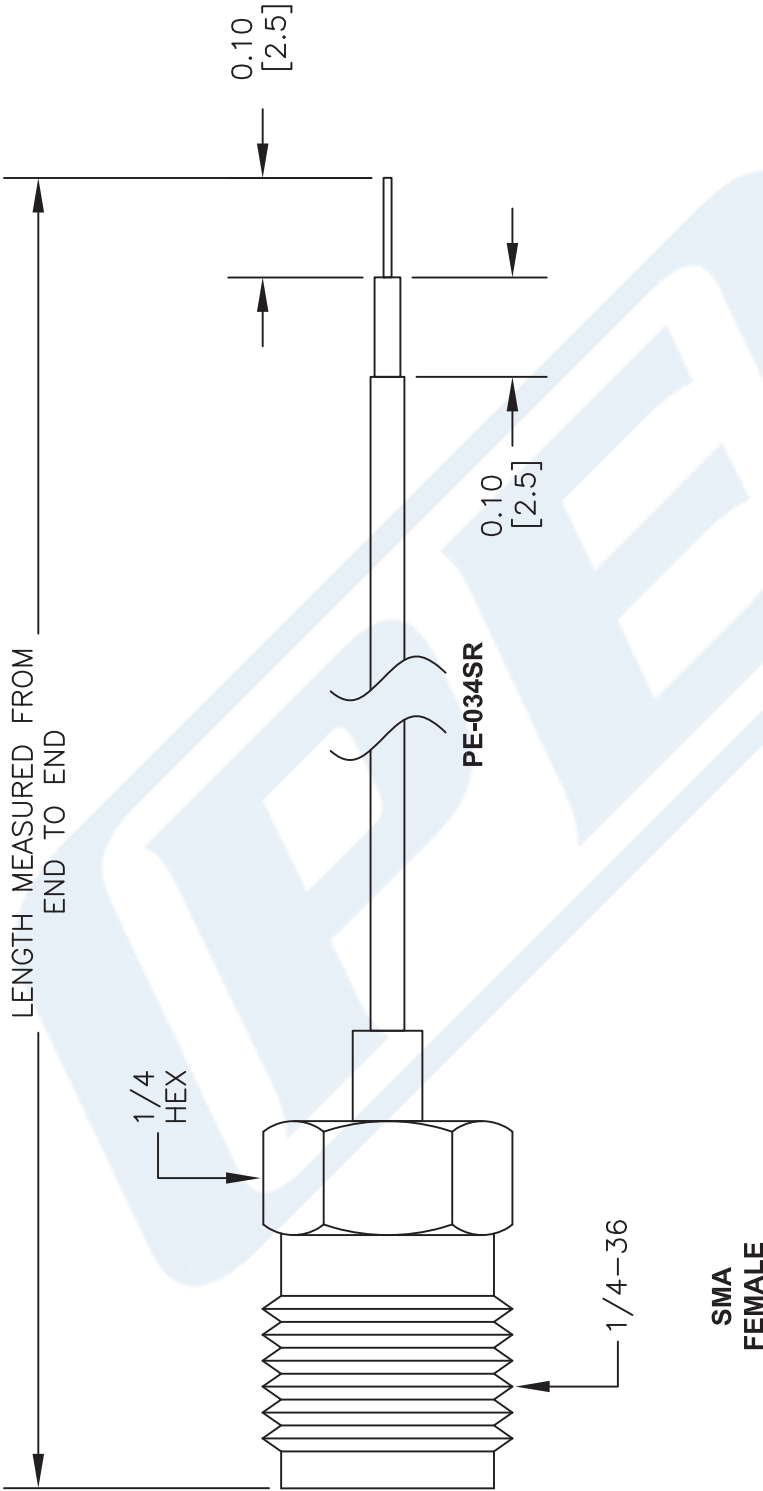
URL: <https://www.pasternack.com/sma-female-unterminated-lead-sexless-pe-034sr-cable-assembly-pe3ca1105-9-p.aspx>

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.

PE3CA1105-9 CAD Drawing

Pigtail Test Probe Cable SMA Female to Pre-Trimmed Lead

9 Inch Length Using PE-034SR Coax, RoHS



- 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

PE3CA1105

FSCM NO. 53919

CAD FILE 050815

SCALE N/A

SIZE A

2233

**PE PASTERNAK®**  
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