



Pigtail Test Probe Cable SMA Female to Pre-Trimmed Lead Using PE-047SR Coax, RoHS

RF Cable Assemblies Technical Data Sheet

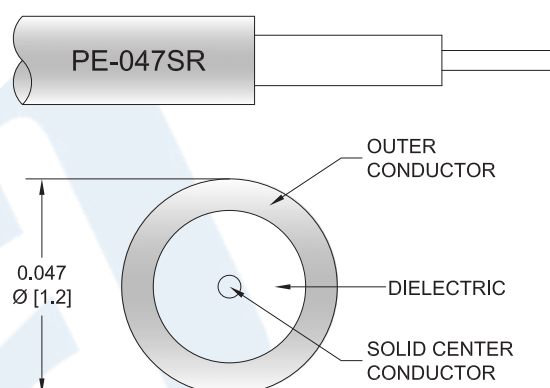
PE3CA1106

Configuration

- Connector 1: SMA Female
- Connector 2: Pre-Trimmed Lead
- Cable Type: PE-047SR

Features

- 100% RF Tested prior to final trim
- 1.35 Max VSWR to 6 GHz
- 100% High Pot Tested to 500V
- .047 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 Pre-Trimmed Lead Using PE-047SR Coax, RoHS PE3CA1106](#)



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Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	6				GHz
Insertion Loss (Max.)	0.34	0.8				dB/ft
	[1.12]	[2.62]				[dB/m]
VSWR (Max.)	1.35:1	1.35:1				

Mechanical Specifications

Cable Assembly

Cable

Cable Type	PE-047SR
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	0.047 in [1.19 mm]

Connectors

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

Environmental Specifications

Temperature

Operating Range	+125 deg C
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Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant	Yes
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Plotted and Other Data

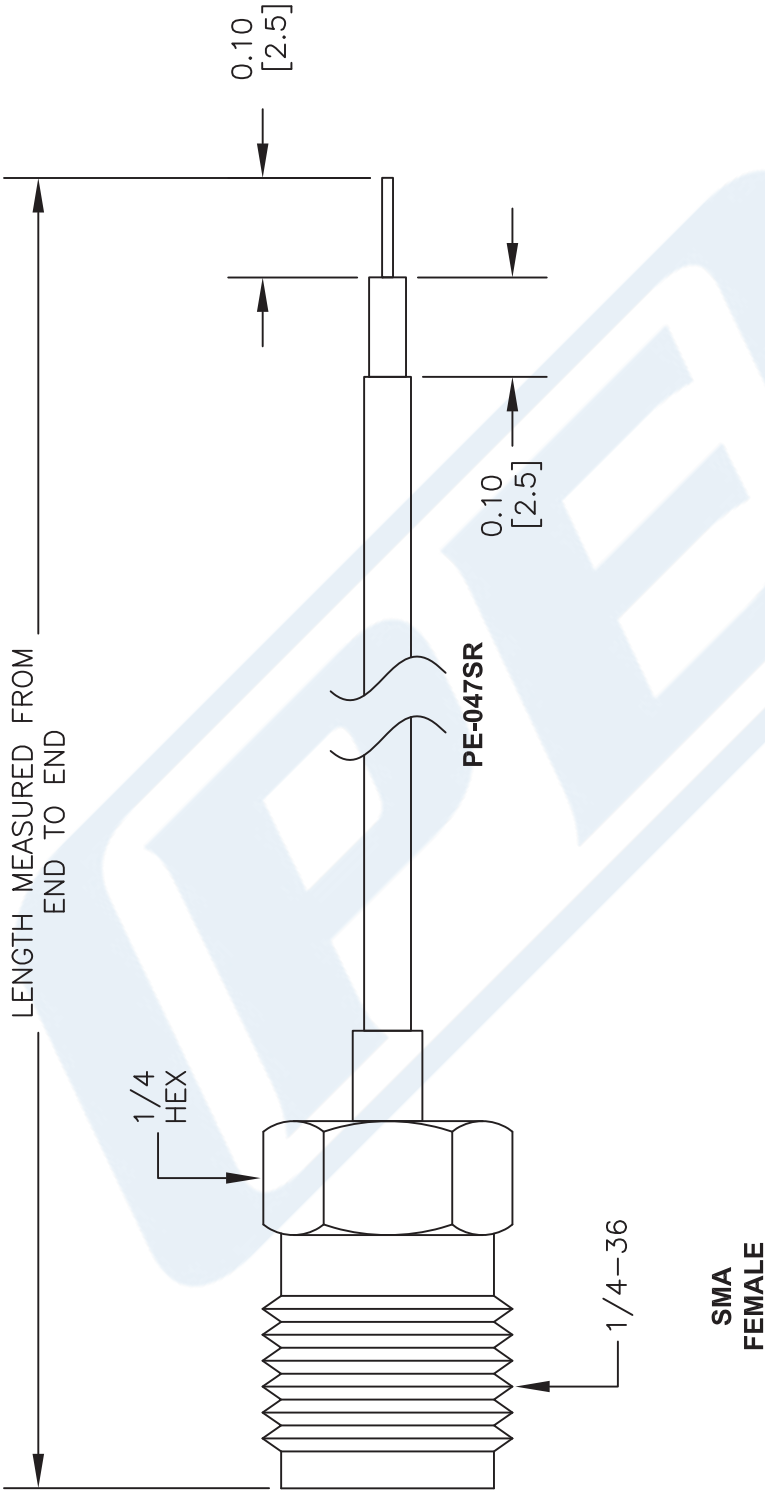
Notes:

- Values at 25°C, sea level.

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PE3CA1106 CAD Drawing

Pigtail Test Probe Cable SMA Female to Pre-Trimmed Lead Using PE-047SR 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
PE3CA1106

FSCM NO. 53919

CAD FILE 050815

SCALE N/A

SIZE A

2233

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