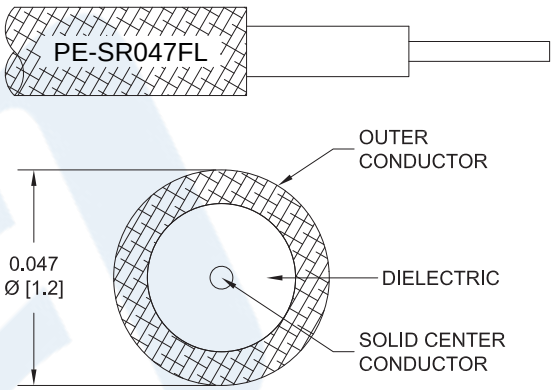
PASTERNACK
an INFINITE brand

SMA Male to Trimmed Lead Test Probe Cable 9 Inch Length Using PE-SR047FL Coax

RF Cable Assemblies Technical Data Sheet PE3C8137-9

Configuration

- Connector 1: SMA Male
- Connector 2: Trimmed Lead
- Cable Type: PE-SR047FL



Features

- Max Frequency 20 GHz
- 69.5% Phase Velocity
- 100% RF Tested prior to final trim
- 1.4 Max VSWR to 20 GHz
- 100% High Pot Tested to 500V
- 0.047 Diameter Formable coax
- Individually packed in protective tube

Applications

- General Purpose
- Test & Measurement
- Laboratory Use
- Used as an RF Test Probe to 20 GHz
- RF PCB Board Measurements
- Signal Injection

Description

Pasternack's PE3C8137-9 50 ohm SMA Male to pre-trimmed cut cable using PE-SR047FL coax is part of our full line of RF components available for same-day shipping. Pasternack's formable cable assemblies provide a convenient alternative to their semi-rigid versions, as they offer similar electrical performance but can be bent to desired shape without the use of special tools.

These SMA Male to unterminated pre-trimmed cut cable assemblies are designed to be used as convenient test probes. 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 to verify the assembly's performance to 20 GHz with a maximum VSWR of 1.4:1. Flush Cut Test Probes are also available.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other available RF cable assembly value added services include connector orientation or clocking, heat shrink booting and custom labeling. RF testing can also be performed to document the electrical performance of your cable assembly.

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 Trimmed Lead Test Probe Cable 9 Inch Length Using PE-SR047FL Coax PE3C8137-9

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
Sales@Pasternack.com • Techsupport@Pasternack.com

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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		20	GHz
VSWR			1.4:1	
Velocity of Propagation		69.5		%
Capacitance		32 [104.99]		pF/ft [pF/m]
DC Resistance Inner Conductor		207 [679.13]		Ω/1000ft [Ω/Km]
DC Resistance Outer Conductor		8 [26.25]		Ω/1000ft [Ω/Km]

Mechanical Specifications

Cable Assembly

Length*	9 in [228.6 mm]

Cable

Cable Type	PE-SR047FL
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	1
Outer Conductor Material and Plating	Tinned Copper Braid

Connectors

Description	Connector 1	Connector 2
Type	SMA Male	Trimmed Lead
Impedance	50 Ohms	
Mating Cycles	500	
Contact Material and Plating	Beryllium Copper, Gold over Nickel	
Contact Plating Specification	MIL-G-45204	
Dielectric Type	PTFE	
Body Material and Plating	Brass, Gold	
Body Plating Specification	MIL-G-45204	
Coupling Nut Material and Plating	Passivated Stainless Steel	
Coupling Nut Plating Specification	ASTM-A380	
Hex Size	5/16 inch	
Torque	8 in-lbs [0.9 Nm]	

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Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

How to Order

Part Number Configuration: **PE3C8137 - xx uu**

- uu — Unit of Measure: cm = Centimeters, <blank> = Inches
- xx — Length
- PE3C8137 — Base Number

Example: PE3C8137-12 = 12 inches long cable
PE3C8137-100cm = 100 cm long cable

SMA Male to Trimmed Lead Test Probe Cable 9 Inch Length Using PE-SR047FL Coax 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.

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 Trimmed Lead Test Probe Cable 9 Inch Length Using PE-SR047FL Coax PE3C8137-9

URL: https://www.pasternack.com/sma-male-trimmed-lead-sexless-pe-sr047fl-cable-assembly-pe3c8137-9-p.aspx

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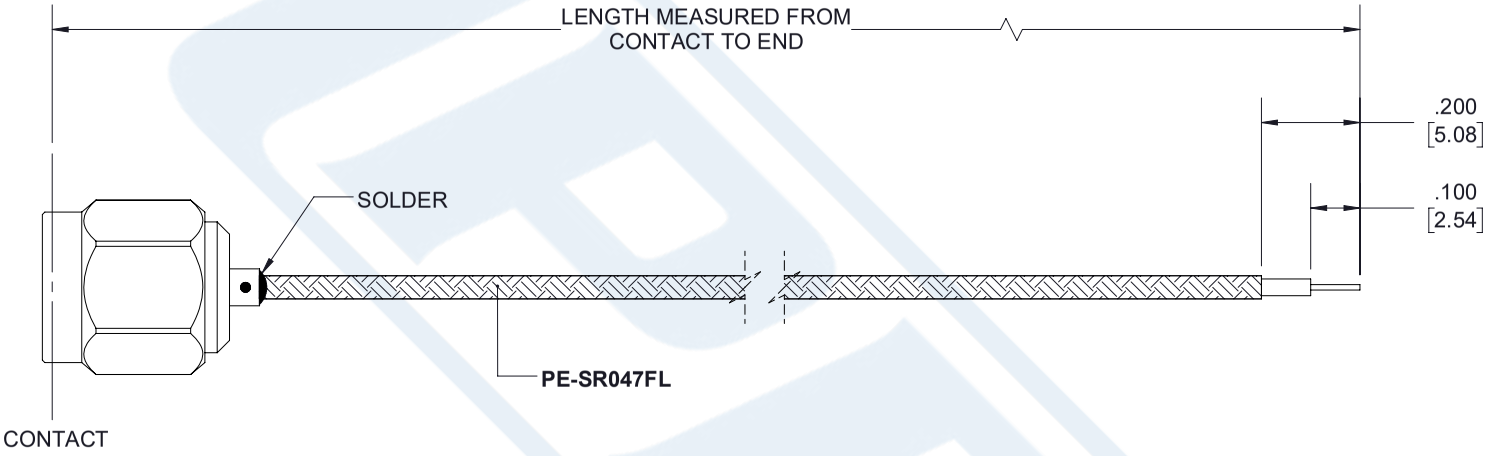
PE3C8137-9 CAD Drawing

SMA Male to Trimmed Lead Test Probe Cable 9 Inch Length Using PE-SR047FL Coax

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	5/6/2021	S.ELLIS



SMA MALE

UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:

.X = ± .2 [5.08]	FRACTIONS ± 1/32
.XX = ± .02 [.51]	ANGLES ± 1°
.XXX = ± .005 [.13]	

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305] = +1 [25] / -0
12 [305] < L ≤ 60 [1524] = +2 [51] / -0
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
300 [7620] < L = +5%L / -0

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

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THIRD-ANGLE PROJECTION

SHEET	OF
1	1

SCALE: N/A

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	K.DANG	PE3C8137	A