



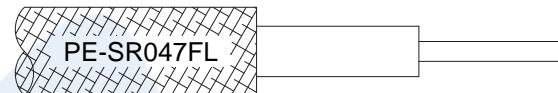
## SMA Female 4 Hole Flange to Trimmed Lead Test Probe Cable 3 Inch Length Using PE-SR047FL Coax

### RF Cable Assemblies Technical Data Sheet

PE3C8135-3

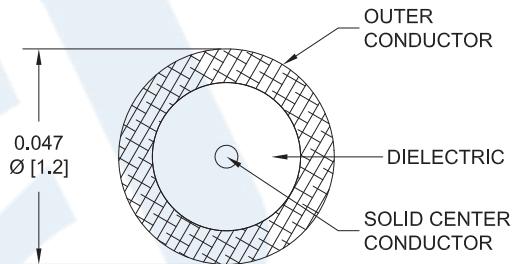
#### Configuration

- Connector 1: SMA Female 4 Hole Flange
- Connector 2: Trimmed Lead
- Cable Type: PE-SR047FL



#### Features

- Max Frequency 18 GHz
- 69.5% Phase Velocity
- 100% RF Tested prior to final trim
- 1.4 Max VSWR to 18 GHz
- 100% High Pot Tested to 500V
- 0.047 Diameter coax
- Individually packed in protective tube



#### Applications

- General Purpose
- Test & Measurement
- Laboratory Use
- Used as an RF Test Probe to 18 GHz
- RF PCB Board Measurements
- Signal Injection

#### Description

Pasternack's PE3C8135-3 50 ohm SMA Female 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 Female 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 18 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 Female 4 Hole Flange to Trimmed Lead Test Probe Cable 3 Inch Length Using PE-SR-047FL Coax PE3C8135-3](#)



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#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	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\*

3 in [76.2 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 Female 4 Hole Flange	Trimmed Lead
Specification	MIL-STD-348	
Impedance	50 Ohms	
Contact Material and Plating	Beryllium Copper, Gold over Nickel	
Contact Plating Specification	50 $\mu$ in minimum	
Dielectric Type	PTFE	
Body Material and Plating	Stainless Steel, Gold over Nickel	
Body Plating Specification	50 $\mu$ in minimum	

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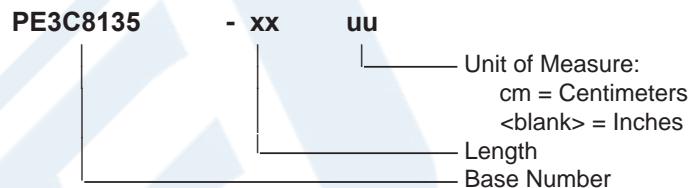
#### Compliance Certifications (see [product page](#) for current document)

#### Plotted and Other Data

Notes:

#### How to Order

Part Number Configuration:



Example: PE3C8135-12 = 12 inches long cable  
PE3C8135-100cm = 100 cm long cable

SMA Female 4 Hole Flange to Trimmed Lead Test Probe Cable 3 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.

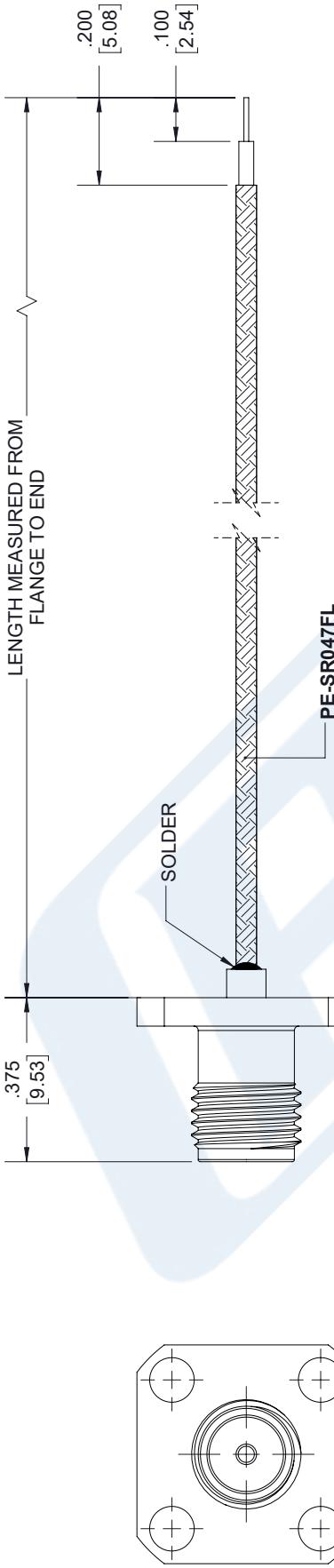
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URL: <https://www.pasternack.com/sma-female-trimmed-lead-sexless-pe-sr047fl-cable-assembly-pe3c8135-3-p.aspx>

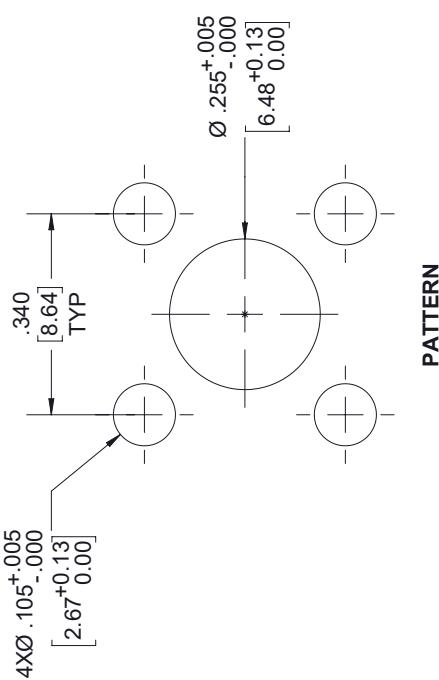
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**PE3C8135-3 CAD Drawing**  
**SMA Female 4 Hole Flange to Trimmed Lead Test Probe**  
**Cable 3 Inch Length Using PE-SR047FL Coax**

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



**SMA FEMALE  
4 HOLE FLANGE**



**PATTERN  
MOUNTING HOLE**

 <b>PASTERNAK</b> an <b>INFINITE</b> brand		THIRD-ANGLE PROJECTION	
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SIZE	CAGE CODE	DRAWN BY	ITEM NO.
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REV			A

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