



## SMA Male to MMCX Plug Right Angle Cable Using PE-047SR Coax , LF Solder

### RF Cable Assemblies Technical Data Sheet

PE37927LF

#### Configuration

- Connector 1: SMA Male
- Connector 2: MMCX Plug Right Angle
- Cable Type: PE-047SR

#### Features

- Max Frequency 6 GHz

#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE37927LF SMA male to MMCX plug right angle cable using PE-047SR coax is part of our full line of RF components available for same-day shipping. Pasternack's semi-rigid RF cable assemblies are ideal for high performance applications and can be formed, using proper tooling, to the routing pattern required. This Pasternack SMA to MMCX cable assembly has a male to plug gender configuration with 50 ohm semi-rigid PE-047SR coax. The PE37927LF SMA male to MMCX plug cable assembly operates to 6 GHz. The right angle MMCX interface on the PE-047SR cable allows for easier connections in tight spaces.

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.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
VSWR			1.45:1	

#### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4	6		GHz
Insertion Loss (Max.)	0.4	0.5	0.7	0.9		dB/ft
	1.31	1.64	2.3	2.95		dB/m

#### Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.3dB connector loss.

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 MMCX Plug Right Angle Cable Using PE-047SR Coax , LF Solder PE37927LF](#)



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#### Mechanical Specifications

##### Cable Assembly

Diameter 0.312 in [7.92 mm]

##### 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  
Outer Conductor Material and Plating Copper

Repeated Minimum Bend Radius 0.05 in [1.27 mm]

##### Connectors

Description	Connector 1	Connector 2
Type	SMA Male	MMCX Plug Right Angle
Specification	MIL-STD-348	
Impedance	50 Ohms	50 Ohms
Mating Cycles	500	
Contact Material and Plating	Beryllium Copper, Gold over Nickel	Brass, Gold
Contact Plating Specification	50 µin minimum	
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Gold over Nickel	Brass, Gold
Body Plating Specification	50 µin minimum	
Coupling Nut Material and Plating	Brass, Nickel	
Coupling Nut Plating Specification	50 µin minimum	
Hex Size	5/16 inch	
Torque	7 in-lbs [0.79 Nm]	

##### 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 -55 to +100 deg C

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 MMCX Plug Right Angle Cable Using PE-047SR Coax , LF Solder PE37927LF](#)



SMA Male to MMCX Plug Right Angle Cable  
Using PE-047SR Coax , LF Solder

RF Cable Assemblies Technical Data Sheet

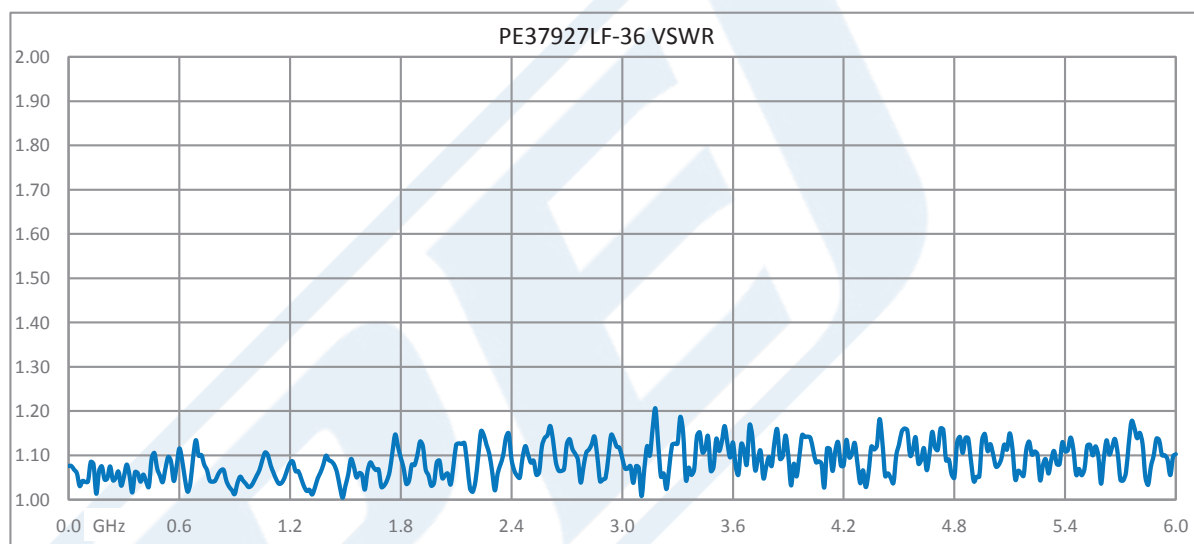
PE37927LF

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

**Plotted and Other Data**

Notes:

**Typical Performance Data**



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 MMCX Plug Right Angle Cable Using PE-047SR Coax , LF Solder PE37927LF](#)



## SMA Male to MMCX Plug Right Angle Cable Using PE-047SR Coax , LF Solder

### RF Cable Assemblies Technical Data Sheet

PE37927LF

#### How to Order

Part Number Configuration:

PE37927LF

- xx

uu

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

Example: PE37927LF-12 = 12 inches long cable  
PE37927LF-100cm = 100 cm long cable

SMA Male to MMCX Plug Right Angle Cable Using PE-047SR Coax , LF Solder 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.

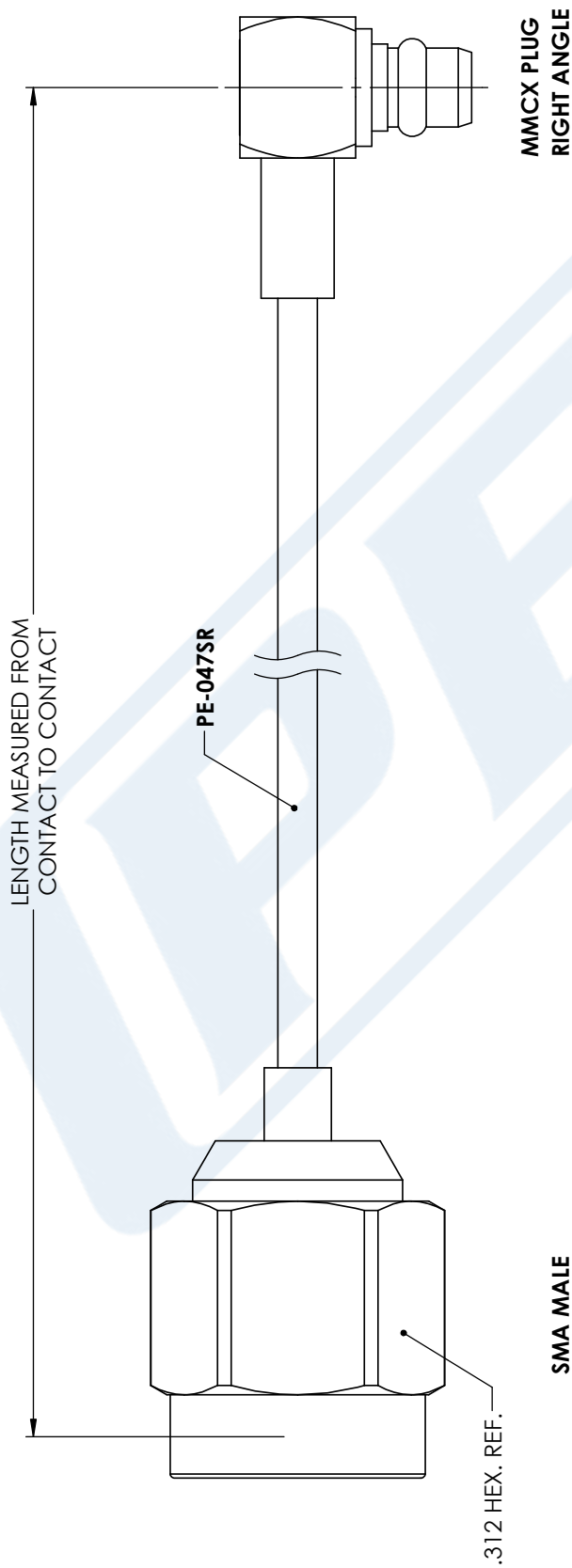
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to MMCX Plug Right Angle Cable Using PE-047SR Coax , LF Solder PE37927LF](#)

URL: <https://www.pasternack.com/sma-male-mmcx-plug-pe-047sr-cable-assembly-pe37927lf-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.

PE37927LF CAD Drawing

SMA Male to MMCX Plug Right Angle Cable Using PE-047SR Coax , LF Solder



STANDARD TOLERANCES	
.X	±0.2
.XX	±0.01
.XXX	±0.005

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

PE

THE ENGINEER'S RF SOURCE

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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].

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CAGE CODE	53919

CAD FILE	10/15/18	SCALE	N/A	SIZE	A
CN2245					

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PE37927LF REV 1.0

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