



SMA Male to MMCX Plug Right Angle Cable 100 CM Length Using PE-047SR Coax , LF Solder

RF Cable Assemblies Technical Data Sheet

PE37927LF-100CM

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-100CM SMA male to MMCX plug right angle 100 cm 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-100CM 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.) | 1.611 | 1.939 | 2.595 | 3.251 | | dB |

Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.3dB of 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 100 CM Length Using PE-047SR Coax , LF Solder PE37927LF-100CM](#)



SMA Male to MMCX Plug Right Angle Cable 100 CM
Length Using PE-047SR Coax , LF Solder

RF Cable Assemblies Technical Data Sheet

PE37927LF-100CM

Mechanical Specifications

Cable Assembly

| | |
|----------|--------------------|
| Length* | 39.37 in [100 cm] |
| 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 100 CM Length Using PE-047SR Coax , LF Solder PE37927LF-100CM](#)



SMA Male to MMCX Plug Right Angle Cable 100 CM
Length Using PE-047SR Coax , LF Solder

RF Cable Assemblies Technical Data Sheet

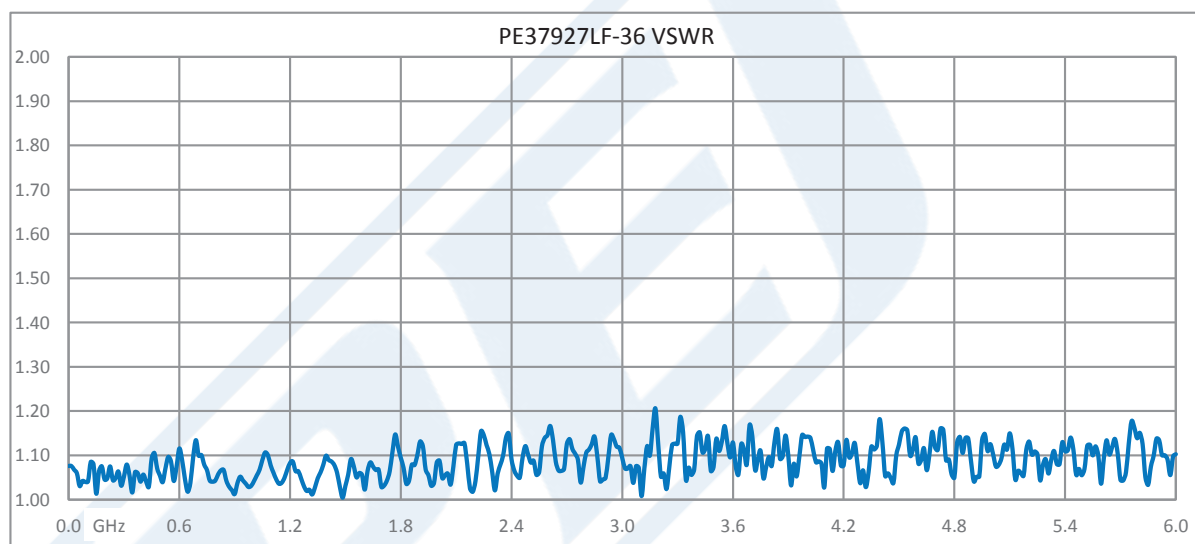
PE37927LF-100CM

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 100 CM Length Using PE-047SR Coax , LF Solder PE37927LF-100CM](#)



SMA Male to MMCX Plug Right Angle Cable 100 CM Length Using PE-047SR Coax , LF Solder

RF Cable Assemblies Technical Data Sheet

PE37927LF-100CM

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

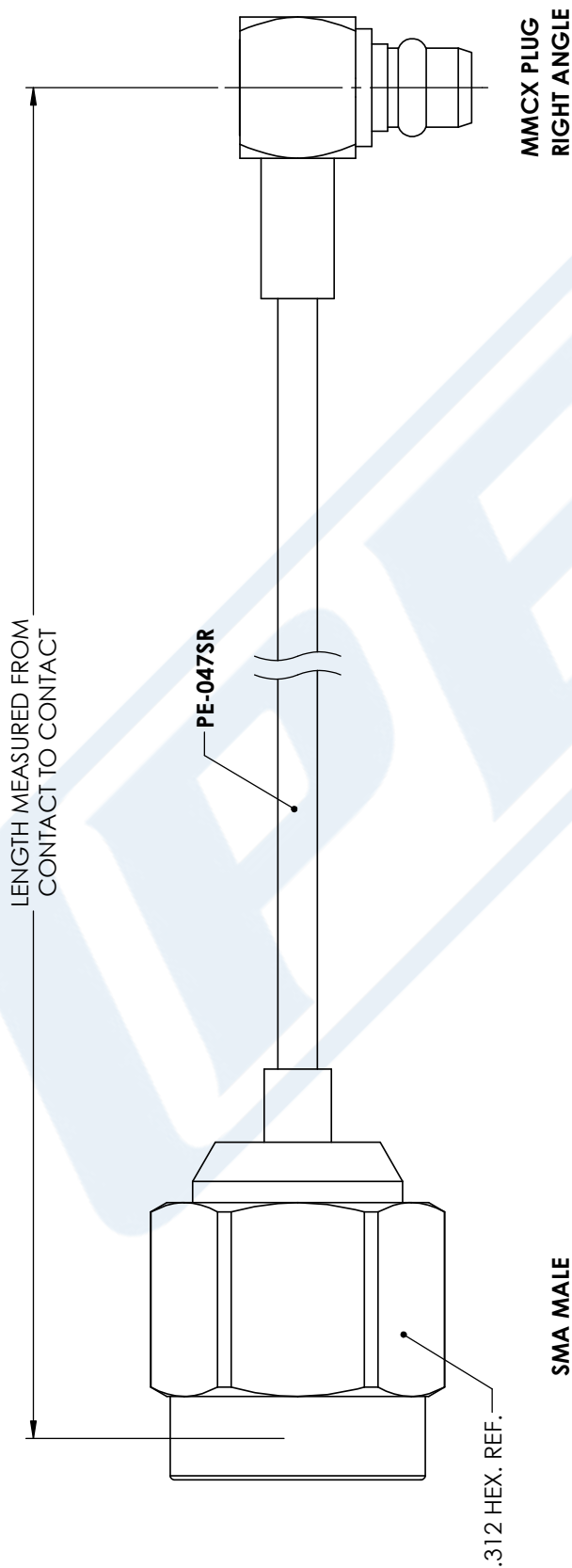
SMA Male to MMCX Plug Right Angle Cable 100 CM Length Using PE-047SR Coax , LF Solder from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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 100 CM Length Using PE-047SR Coax , LF Solder PE37927LF-100CM](#)

URL: <https://www.pasternack.com/sma-male-mmcx-plug-pe-047sr-cable-assembly-pe37927lf-100cm-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-100CM CAD Drawing
SMA Male to MMCX Plug Right Angle Cable 100 CM
Length 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



Pasternack Enterprises, Inc.
P.O. Box 16759 | Irvine | CA | 92623
Phone: (949) 261-1920 | **Fax:** (949) 261-7451
Website: www.pasternack.com | **E-Mail:** sales@pasternack.com

DWG TITLE

PE37927LF

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].

CAGE CODE 53919

CAD FILE 10/15/18

SCALE N/A

SIZE A

CN2245