



MMCX Plug Right Angle to MMCX Plug Right Angle Cable Using PE-047SR Coax

TECHNICAL DATA SHEET

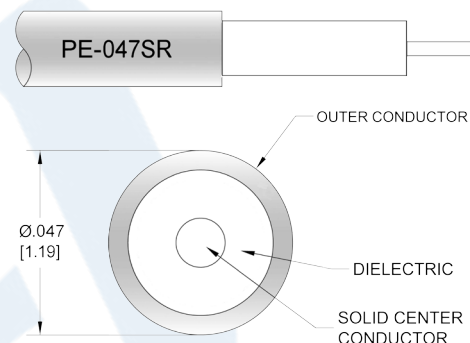
PE3W01180

Configuration

- Connector 1: MMCX Plug Right Angle
- Connector 2: MMCX Plug Right Angle
- Cable Type: PE-047SR
- Coax Flex Type: Semi-Rigid

Features

- Max Frequency 6 GHz



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W01180 MMCX plug right angle 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 MMCX to MMCX cable assembly has a plug to plug gender configuration with 50 ohm semi-rigid PE-047SR coax. The PE3W01180 MMCX plug to MMCX plug cable assembly operates to 6 GHz. The right angle MMCX interfaces on the PE-047SR cable allow 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MMCX Plug Right Angle to MMCX Plug Right Angle Cable Using PE-047SR Coax PE3W01180](#)



MMCX Plug Right Angle to MMCX Plug Right Angle Cable Using PE-047SR Coax

TECHNICAL DATA SHEET

PE3W01180

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz

Specifications by Frequency

Part Number	Length	Description	F1	F2	F3	Units	Weight (lbs)
		Frequency	1000	2500	6000	MHz	
PE3W01180	Custom Lengths Available	Insertion Loss (Typ.)	0.4	0.5	0.9	dB/ft	
			1.32	1.65	2.96	dB/m	
PE3W01180-3	3 inch	Insertion Loss (Typ.)	0.5	0.53	0.63	dB	0.009
PE3W01180-6	6 inch	Insertion Loss (Typ.)	0.6	0.65	0.85	dB	0.01
PE3W01180-12	12 inch	Insertion Loss (Typ.)	0.8	0.9	1.3	dB	0.012
PE3W01180-18	18 inch	Insertion Loss (Typ.)	1	1.15	1.75	dB	0.015
PE3W01180-60	60 inch	Insertion Loss (Typ.)	2.4	2.9	4.9	dB	0.029

The insertion loss data for the base model does not include loss due to the connectors. Each length includes insertion loss due to the connectors.

Loss due to Connector 1:	0.2 dB
Loss due to Connector 2:	0.2 dB
Base Weight:	0.012 pounds
Additional Weight per Inch:	0.00034 pounds

Mechanical Specifications

Cable Assembly

Weight	0.012 lbs [5.44 g]
--------	--------------------

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
Shield Layer 1	Copper
Jacket Diameter	0.047 in [1.19 mm]
One Time Minimum Bend Radius	0.05 in [1.27 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MMCX Plug Right Angle to MMCX Plug Right Angle Cable Using PE-047SR Coax PE3W01180](#)



MMCX Plug Right Angle to MMCX Plug
Right Angle Cable Using PE-047SR Coax

TECHNICAL DATA SHEET

PE3W01180

Connectors

Description	Connector 1	Connector 2
Type	MMCX Plug Right Angle Push-On	MMCX Plug Right Angle Push-On
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Brass, Gold
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Gold	Brass, Gold

Environmental Specifications

Temperature

Operating Range

-55 to +100 deg C

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

Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MMCX Plug Right Angle to MMCX Plug Right Angle Cable Using PE-047SR Coax PE3W01180](#)



MMCX Plug Right Angle to MMCX Plug
Right Angle Cable Using PE-047SR Coax

TECHNICAL DATA SHEET

PE3W01180

How to Order

Part Number Configuration:

PE3W01180

- **xx**

uu

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

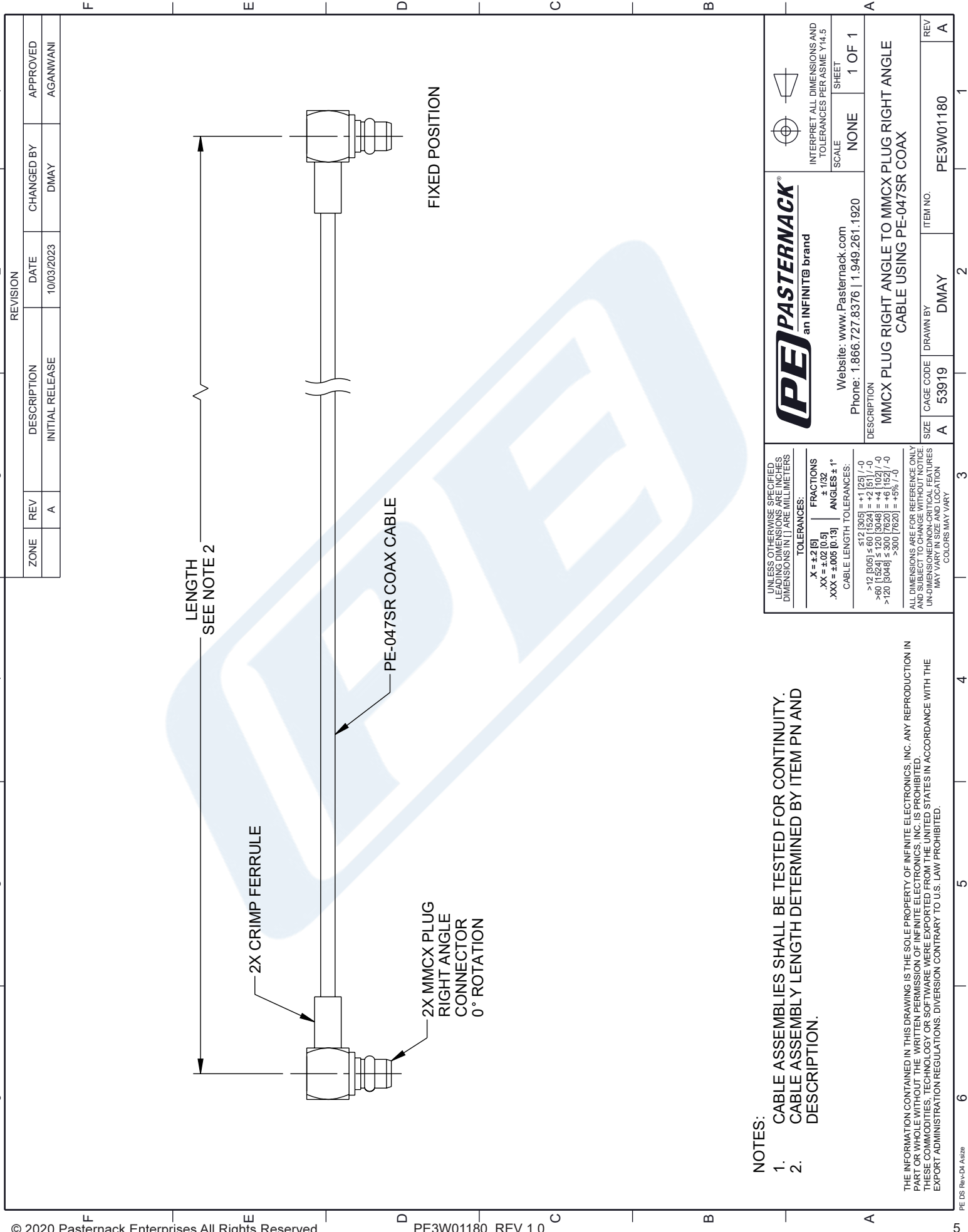
Example: PE3W01180-12 = 12 inches long cable
PE3W01180-100cm = 100 cm long cable

MMCX Plug Right Angle to MMCX Plug Right Angle Cable Using PE-047SR 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: [MMCX Plug Right Angle to MMCX Plug Right Angle Cable Using PE-047SR Coax PE3W01180](#)

URL: <https://www.pasternack.com/mmcx-plug-right-angle-to-mmcx-plug-cable-using-pe-047sr-pe3w01180-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.



PASTERNAK®
an INFINITI® brand

Website: www.Pasternack.com
Phone: 1.866.727.8376 | 1.949.261.1920

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE NONE
SHEET 1 OF 1

DESCRIPTION
MMCX PLUG RIGHT ANGLE TO MMCX PLUG RIGHT ANGLE
CABLE USING PE-047SR COAX

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	DMAY	PE3W01180	A

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

TOLERANCES:
.XX = ±0.05
.XXX = ±0.005 [0.13]

FRACTIONS
± 1/32
ANGLES ± 1°

CABLE LENGTH TOLERANCES:
<12 [305] = ±1 [25] / -0
>12 [305] ≤ 60 [1524] = ±2 [51] / -0
>60 [1524] ≤ 120 [3048] = ±4 [102] / -0
>120 [3048] ≤ 300 [7620] = ±6 [152] / -0
>300 [7620] = ±5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY
ALL DIMENSIONS ARE TO CENTER UNLESS OTHERWISE SPECIFIED
UNDIMENSIONED NON-CRITICAL FEATURES
MAY VARY IN SIZE AND LOCATION
COLORS MAY VARY