



MMCX Plug Right Angle to MMCX Plug Right Angle
Cable Using PE-047SR Coax with 180 Deg. Clock

RF Cable Assemblies Technical Data Sheet

PE3W01180/SP

Configuration

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

Features

- Max Frequency 6 GHz

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W01180/SP 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/SP 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.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
VSWR			1.4:1	

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2.5	6			GHz
Insertion Loss (Typ.)	0.4	0.55	0.9			dB/ft
	1.31	1.8	2.95			dB/m

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.2 dB per connector.

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 with 180 Deg. Clock PE3W01180/SP](#)



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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]

Connectors

Description	Connector 1	Connector 2
Type	MMCX Plug Right Angle	MMCX Plug Right Angle
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:

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How to Order

Part Number Configuration:

PE3W01180/SP

- **xx**

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

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

MMCX Plug Right Angle to MMCX Plug Right Angle Cable Using PE-047SR Coax with 180 Deg. Clock 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.

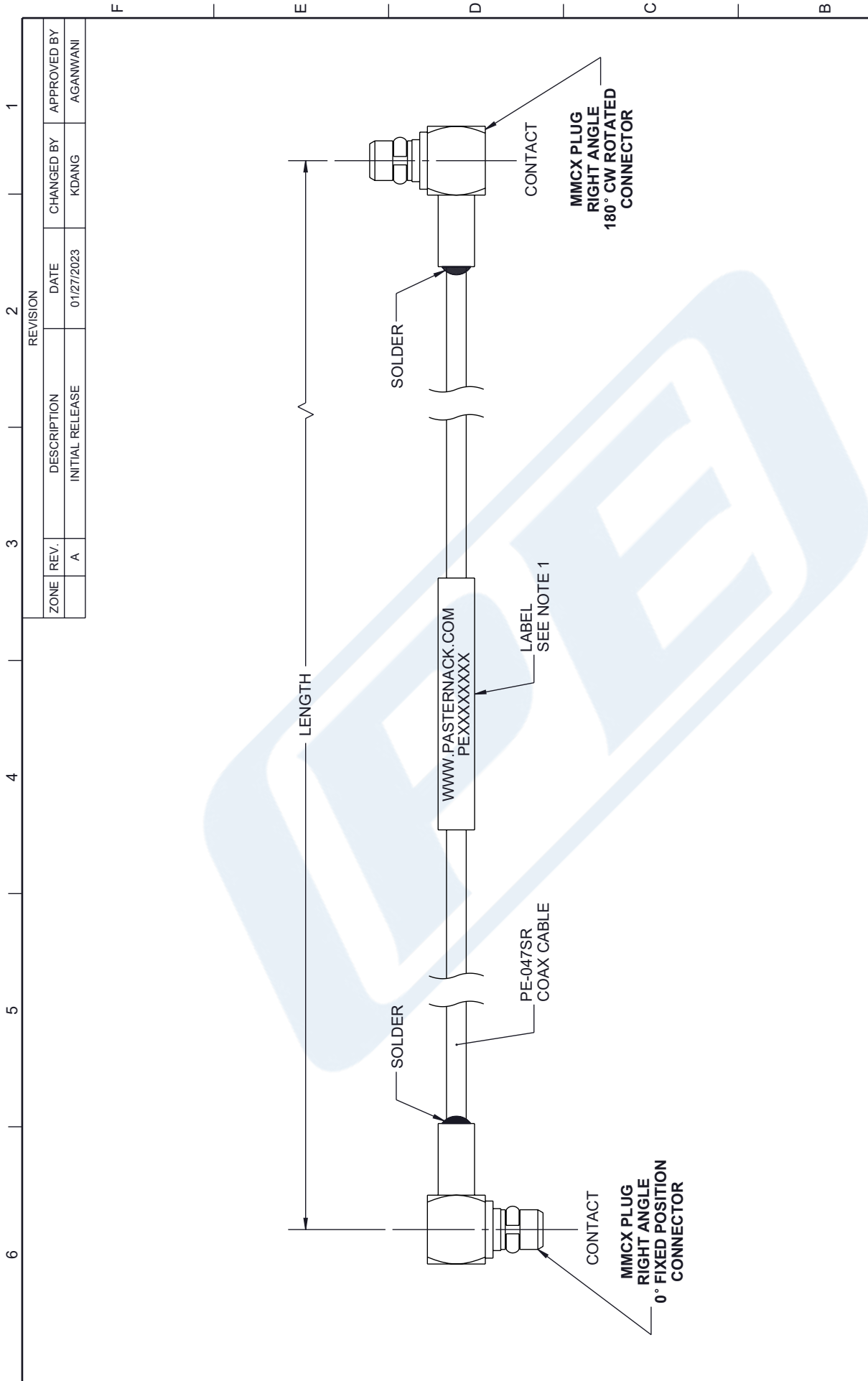
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MMCX Plug Right Angle to MMCX Plug Right Angle Cable Using PE-047SR Coax with 180 Deg. Clock PE3W01180/SP](#)

URL: <https://www.pasternack.com/mmcx-plug-right-angle-to-mmcx-plug-cable-using-pe-047sr-with-180-deg.-clock-pe3w01180-sp-p.aspx>

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PE3W01180/SP CAD Drawing

MMCX Plug Right Angle to MMCX Plug Right Angle Cable
Using PE-047SR Coax with 180 Deg. Clock



NOTES:

1. CABLE ASSY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROX CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROX 6 INCHES FROM EACH CONNECTOR.
2. CABLES ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.

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TOLERANCES: .X = ±.2 [5] .XX = ±.02 [5] .XXX = ±.005 [13]		FRACTIONS ± 1/32 ANGLES ± 1°		SCALE NONE	
CABLE LENGTH TOLERANCES: 					