



SMA Male Right Angle to MMCX Plug Right Angle Low Loss
Cable Using PE-C100-LSZH Coax with 270 Deg. Clock

RF Cable Assemblies Technical Data Sheet

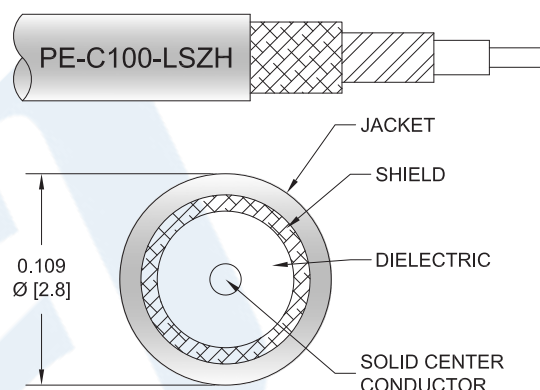
PE3W01768/SP

Configuration

- Connector 1: SMA Male Right Angle
- Connector 2: MMCX Plug Right Angle
- Cable Type: PE-C100-LSZH

Features

- Max Frequency 5 GHz
- Shielding Effectivity > 90 dB
- 66% Phase Velocity
- Double Shielded
- LSZH Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W01768/SP SMA male right angle to MMCX plug right angle cable using PE-C100-LSZH coax is part of our full line of RF components available for same-day shipping. Pasternack's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Pasternack SMA to MMCX cable assembly has a male to plug gender configuration with 50 ohm flexible PE-C100-LSZH coax. The PE3W01768/SP SMA male to MMCX plug cable assembly operates to 5 GHz. The right angle SMA and right angle MMCX interfaces on the PE-C100-LSZH cable allow for easier connections in tight spaces. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness of better than 90 dB.

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 Male Right Angle to MMCX Plug Right Angle Low Loss Cable Using PE-C100-LSZH Coax with 270 Deg. Clock PE3W01768/SP](#)



SMA Male Right Angle to MMCX Plug Right Angle Low Loss
Cable Using PE-C100-LSZH Coax with 270 Deg. Clock

RF Cable Assemblies Technical Data Sheet

PE3W01768/SP

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		5	GHz
VSWR			1.4:1	
Velocity of Propagation		66		%
RF Shielding	90			dB
Jacket Spark			2,000	Vrms

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.25	0.5	1	2.5	5	GHz
Insertion Loss (Typ.)	0.12	0.17	0.24	0.41	0.6	dB/ft
	0.39	0.56	0.79	1.35	1.97	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.

Mechanical Specifications

Cable Assembly

Weight 0.033 lbs [14.97 g]

Cable

Cable Type PE-C100-LSZH
 Impedance 50 Ohms
 Inner Conductor Type Solid
 Inner Conductor Material and Plating Copper
 Dielectric Type PE
 Number of Shields 2
 Shield Layer 1 Aluminum Tape
 Shield Layer 2 Tinned Copper Braid
 Jacket Material LSZH, Black
 Jacket Diameter 0.109 in [2.77 mm]
 One Time Minimum Bend Radius 0.25 in [6.35 mm]
 Repeated Minimum Bend Radius 1 in [25.4 mm]
 Bending Moment 0.1 lbs-ft [0.14 N-m]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Right Angle to MMCX Plug Right Angle Low Loss Cable Using PE-C100-LSZH Coax with 270 Deg. Clock PE3W01768/SP](#)



SMA Male Right Angle to MMCX Plug Right Angle Low Loss
Cable Using PE-C100-LSZH Coax with 270 Deg. Clock

RF Cable Assemblies Technical Data Sheet

PE3W01768/SP

Connectors

Description	Connector 1	Connector 2
Type	SMA Male Right Angle	MMCX Plug Right Angle
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	50 µin minimum	30 µin minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Gold
Body Plating Specification	100 µin minimum	3 µin minimum
Coupling Nut Material and Plating	Brass, Nickel	
Coupling Nut Plating Specification	100 µin minimum	

Environmental Specifications

Temperature

Operating Range

-40 to +85 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: [SMA Male Right Angle to MMCX Plug Right Angle Low Loss Cable Using PE-C100-LSZH Coax with 270 Deg. Clock PE3W01768/SP](#)



SMA Male Right Angle to MMCX Plug Right Angle Low Loss
Cable Using PE-C100-LSZH Coax with 270 Deg. Clock

RF Cable Assemblies Technical Data Sheet

PE3W01768/SP

How to Order

Part Number Configuration:

PE3W01768/SP

- xx

uu

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

Example: PE3W01768/SP-12 = 12 inches long cable
PE3W01768/SP-100cm = 100 cm long cable

SMA Male Right Angle to MMCX Plug Right Angle Low Loss Cable Using PE-C100-LSZH Coax with 270 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: [SMA Male Right Angle to MMCX Plug Right Angle Low Loss Cable Using PE-C100-LSZH Coax with 270 Deg. Clock PE3W01768/SP](https://www.pasternack.com/sma-male-right-angle-to-mmcx-plug-right-angle-low-loss-cable-using-pe-c100-lszh-coax-with-270-deg-clock-pe3w01768-sp)

URL: <https://www.pasternack.com/sma-male-right-angle-to-mmcx-plug-right-angle-low-loss-cable-using-pe-c100-lszh-coax-with-270-deg-clock-pe3w01768-sp-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.

PE3W01768/SP CAD Drawing

SMA Male Right Angle to MMCX Plug Right Angle Low Loss

Cable Using PE-C100-LSZH Coax with 270 Deg. Clock

