

50 Ohm MMCX Plug Right Angle to 75 Ohm Mini SMB Plug Right Angle Cable Using 75 Ohm RG179 Coax



PE39772

Configuration

- Connector 1: MMCX Plug Right Angle
- Connector 2: Mini SMB Plug Right Angle
- Cable Type: RG179
- Coax Flex Type: Flexible

Features

- Max Frequency 2 GHz
- FEP Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE39772 50 ohm MMCX plug right angle to 75 ohm Mini SMB plug right angle cable using 75 ohm RG179 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 MMCX to Mini SMB cable assembly has a plug to plug gender configuration with 75 ohm flexible RG179 coax. The PE39772 MMCX plug to Mini SMB plug cable assembly operates to 2 GHz. The right angle MMCX and right angle Mini SMB interfaces on the RG179 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		2	GHz
VSWR			1.4:1	
Capacitance		23 [75.46]		pF/ft [pF/m]

Specifications by Frequency

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Part Number	Length	Description	F1	F2	F3	F4	Units	Weight (lbs)
		Frequency	100	250	500	1000	MHz	
PE39772	Custom Lengths Available	Insertion Loss (Typ.)	0.09	0.12	0.18	0.3	dB/ft	
			0.3	0.4	0.6	0.99	dB/m	
PE39772-12	12 inch	Insertion Loss (Typ.)	0.49	0.52	0.58	0.7	dB	0.028
PE39772-24	24 inch	Insertion Loss (Typ.)	0.58	0.64	0.76	1	dB	0.037
PE39772-36	36 inch	Insertion Loss (Typ.)	0.67	0.76	0.94	1.3	dB	0.046
PE39772-48	48 inch	Insertion Loss (Typ.)	0.76	0.88	1.12	1.6	dB	0.055
PE39772-72	72 inch	Insertion Loss (Typ.)	0.94	1.12	1.48	2.2	dB	0.073

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: 0.028 pounds
 Additional Weight per Inch: 0.00075 pounds

Mechanical Specifications

Cable Assembly

Weight 0.028 lbs [12.7 g]

Cable

Cable Type RG179
 Impedance 75 Ohms
 Inner Conductor Type Stranded
 Inner Conductor Material and Plating Copper Clad Steel, Silver
 Dielectric Type PTFE
 Number of Shields 1
 Shield Layer 1 Silver Plated Copper Braid
 Jacket Material FEP, Tan
 Jacket Diameter 0.1 in [2.54 mm]

Connectors

Description	Connector 1	Connector 2
Type	MMCX Plug Right Angle	Mini SMB Plug Right Angle
Specification	BS EN 122340	
Impedance	50 Ohms	75 Ohms
Configuration	Right Angle	Right Angle
Contact Material and Plating	Brass, Gold	Beryllium Copper, Gold
Contact Plating Specification	30 µin minimum	30 µin minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Gold	Brass, Nickel
Body Plating Specification	3 µin minimum	100 µin minimum

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Environmental Specifications

Operating Range Temperature -55 to +155 deg C

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

Plotted and Other Data

Notes:
Values at 25°C, sea level.

Typical Performance Data

How to Order

Part Number Configuration: **PE39772 - xx uu**

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

Example: PE39772-12 = 12 inches long cable
PE39772-100cm = 100 cm long cable

50 Ohm MMCX Plug Right Angle to 75 Ohm Mini SMB Plug Right Angle Cable Using 75 Ohm RG179 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: [50 Ohm MMCX Plug Right Angle to 75 Ohm Mini SMB Plug Right Angle Cable Using 75 Ohm RG179 Coax PE39772](#)

URL: <https://www.pasternack.com/50-ohm-mmcx-plug-right-angle-to-75-ohm-mini-smb-plug-cable-using-rg179-pe39772-p.aspx>

The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PE39772 CAD Drawing

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