

MCX Plug Non-Magnetic Connector Crimp/Solder Attachment for RG316, LMR-100A, PE-B100, PE-C100, RG174, RG174MN, RG188, LMR-100A-PV



PE517805

Configuration

- MCX Plug Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG316, LMR-100A, PE-B100, PE-C100, RG174, RG174MN, RG188, PE-C100-LSZH, LMR-100-FR, LMR-100A-PVC
- Non-Magnetic Design

Features

- Max. Operating Frequency 6 GHz
- Excellent VSWR of 1.2:1
- Gold over Nickel over Copper Plated Phosphor Bronze Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE517805 MCX Plug Connector Crimp/Solder Attachment for RG316, LMR-100A, PE-B100, PE-C100, RG174, RG174MN, RG188, PE-C100-LSZH, LMR-100-FR and LMR-100A-PVC Cable is part of our full line of RF components available for same-day shipping. Our MCX plug connector operates up to a maximum frequency of 6 GHz and offers excellent VSWR of 1.2:1.

Our MCX plug connector PE517805 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
VSWR			1.2:1	
Operating Voltage (AC)			250	Vrms
Dielectric Withstanding Voltage (AC)			750	Vrms
Inner Conductor DC Resistance			5	mOhms
Outer Conductor DC Resistance			2.5	mOhms
Insulation Resistance	10,000			MOhms
Impedance		50		Ohms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 1	1 to 3				GHz
Insertion Loss, Max	0.1	0.15				dB

Mechanical Specifications

Size

Length 0.543 in [13.79 mm]

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Width	0.197 in [5 mm]
Height	0.197 in [5 mm]
Weight	0.05 lbs [22.68 g]
Mating Cycles	500 Cycles
Engagement Force	5.6lbs [2.54kg]
Disengagement Force	1.8lbs [816.47g]

Material Specifications

Description	Material	Plating
Contact	Phosphor Bronze	Gold over Nickel over Copper
Insulation	PTFE	
Body	Phosphor Bronze	Gold over Nickel over Copper
Crimp Sleeve	Phosphor Bronze	Gold over Nickel over Copper

Environmental Specifications

Temperature	
Operating Range	-55 to +155 deg C
Humidity	MIL-STD-202, Method 106
Thermal Shock	MIL-STD-202, Method 107, Condition F
Salt Spray	MIL-STD-202, Method 101, Condition B

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

Plotted and Other Data

Notes:

MCX Plug Non-Magnetic Connector Crimp/Solder Attachment for RG316, LMR-100A, PE-B100, PE-C100, RG174, RG174MN, RG188, LMR-100A-PV 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: [MCX Plug Non-Magnetic Connector Crimp/Solder Attachment for RG316, LMR-100A, PE-B100, PE-C100, RG174, RG174MN, RG188, LMR-100A-PV PE517805](#)

URL: <https://www.pasternack.com/mcx-plug-rg316-lmr-100a-pe-c100-rg174-rg174mn-connector-pe517805.html>

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.

PE517805 CAD Drawing

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