

SMB Jack Right Angle Connector Crimp Attachment for LMR-100, PE-B100, PE-C100, 0.100 Inch Cable



PE48013

Configuration

- SMB Jack Connector
- MIL-STD-202
- 50 Ohms
- Right Angle Body Geometry
- Connector Interface Types: LMR-100, PE-B100, PE-C100, 0.100 Inch cable

Features

- Max. Operating Frequency 4 GHz
- Excellent VSWR of 1.2:1
- Gold over Nickel over Copper Plated Brass Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE48013 Right Angle SMB Jack Connector Crimp Attachment for LMR-100, PE-B100, PE-C100 and 0.100 Inch Cable is part of our full line of RF components available for same-day shipping. Our SMB jack connector operates up to a maximum frequency of 4 GHz and offers excellent VSWR of 1.2:1. Its right angle body geometry allows for easier connections in tight spaces.

Our SMB jack right angle connector PE48013 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		4	GHz
VSWR			1.2:1	
Operating Voltage (AC)			335	Vrms
Dielectric Withstanding Voltage (AC)			1,000	Vrms
Inner Conductor DC Resistance			5	mOhms
Outer Conductor DC Resistance			2.5	mOhms
Insulation Resistance	10,000			MOhms
Impedance		50		Ohms

Electrical Specification Notes:
Insertion loss is = $0.1 \cdot \sqrt{\text{FGHz}}$ dB

Mechanical Specifications

Size

Length	0.506 in [12.85 mm]
Width	0.506 in [12.85 mm]
Height	0.543 in [13.79 mm]
Weight	0.006 lbs [2.72 g]
Mating Cycles	500 Cycles
Mating Torque	1.8 to 14.2 in-lbs [0.20 to 1.60 Nm]

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Cable Retention Force 4 lbs [1.81 kg]

Material Specifications

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

Environmental Specifications

Temperature	
Operating Range	-65 to 165 deg C
Humidity	MIL-STD-202, Method 106
Shock	MIL-STD-202, Method 107, Condition B
Salt Spray	MIL-STD-202, Method 101, Condition B

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

Plotted and Other Data

Notes:

SMB Jack Right Angle Connector Crimp Attachment for LMR-100, PE-B100, PE-C100, 0.100 Inch Cable 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: [SMB Jack Right Angle Connector Crimp Attachment for LMR-100, PE-B100, PE-C100, 0.100 Inch Cable PE48013](#)

URL: <https://www.pasternack.com/smb-jack-lmr-100-pe-b100-0.100-cable-connector-pe48013.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.

