

SMB Plug Connector Crimp Attachment for PE-C195, PE-P195, LMR-195, 0.195 Inch Cable



PE48018

Configuration

- SMB Plug Connector
- MIL-STD-202
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: PE-C195, PE-P195, LMR-195, 0.195 Inch cable

Features

- Max. Operating Frequency 3 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 PE48018 SMB Plug Connector Crimp Attachment for PE-C195, PE-P195, LMR-195 and 0.195 Inch Cable is part of our full line of RF components available for same-day shipping. Our SMB plug connector operates up to a maximum frequency of 3 GHz and offers excellent VSWR of 1.2:1.

Our SMB plug connector PE48018 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		3	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 $= 0.1 \times \sqrt{\text{FGHz}}$ dB

Mechanical Specifications

Size

Length	0.25 in [6.35 mm]
Width	0.25 in [6.35 mm]
Height	0.85 in [21.59 mm]
Weight	0.009 lbs [4.08 g]
Mating Cycles	500 Cycles
Mating Torque	1.8 to 14.2 in-lbs [0.20 to 1.60 Nm]
Cable Retention Force	4 lbs [1.81 kg]

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Material Specifications

Description	Material	Plating
Contact	Phosphor Bronze	Gold over Nickel over Copper
Insulation	PTFE	
Body	Brass	Gold over Nickel over Copper
Retaining Ring	Beryllium Copper	Copper-Tin-Zinc Alloy
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 Plug Connector Crimp Attachment for PE-C195, PE-P195, LMR-195, 0.195 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 Plug Connector Crimp Attachment for PE-C195, PE-P195, LMR-195, 0.195 Inch Cable PE48018](#)

URL: <https://www.pasternack.com/smb-plug-pe-c195-pe-p195-0.195-cable-connector-pe48018.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.

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