



Slide-On BMA Jack 2 Hole Flange to SMA Male Cable Using PE-SR402FL Coax

TECHNICAL DATA SHEET

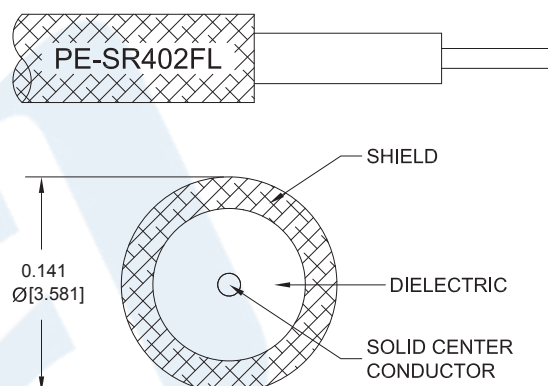
PE3W07083

Configuration

- Connector 1: Slide-On BMA Jack 2 Hole Flange
- Connector 2: SMA Male
- Cable Type: PE-SR402FL
- Coax Flex Type: Formable

Features

- Max Frequency 18 GHz
- Shielding Effectivity > 110 dB
- 69.5% Phase Velocity



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W07083 BMA jack slide-on 2 hole flange to SMA male cable using PE-SR402FL coax is part of our full line of RF components available for same-day shipping. Pasternack's formable RF cable assemblies provide an alternative to costly pre-formed semi-rigid assemblies since they are hand formable. This Pasternack BMA to SMA cable assembly has a jack to male gender configuration with 50 ohm formable PE-SR402FL coax. The PE3W07083 BMA jack to SMA male cable assembly operates to 18 GHz. Our RF cable assembly with BMA 2 hole flange interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

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: [Slide-On BMA Jack 2 Hole Flange to SMA Male Cable Using PE-SR402FL Coax PE3W07083](#)



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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
Velocity of Propagation		69.5		%
RF Shielding	110			dB
Capacitance		29 [95.14]		pF/ft [pF/m]
DC Resistance Inner Conductor		7.8 [25.59]		Ω /1000ft [Ω /Km]
DC Resistance Outer Conductor		5.5 [18.04]		Ω /1000ft [Ω /Km]

Specifications by Frequency

Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	1000	2000	4500	9000	#####	MHz	
PE3W07083	Custom Lengths Available	Insertion Loss (Typ.)	0.12	0.16	0.26	0.41	0.65	dB/ft	
			0.4	0.53	0.86	1.35	2.14	dB/m	
PE3W07083-6	6 inch	Insertion Loss (Typ.)	0.26	0.28	0.33	0.41	0.53	dB	0.029
PE3W07083-9	9 inch	Insertion Loss (Typ.)	0.29	0.32	0.4	0.51	0.69	dB	0.035
PE3W07083-12	12 inch	Insertion Loss (Typ.)	0.32	0.36	0.46	0.61	0.85	dB	0.041
PE3W07083-18	18 inch	Insertion Loss (Typ.)	0.38	0.44	0.59	0.82	1.18	dB	0.054
PE3W07083-24	24 inch	Insertion Loss (Typ.)	0.44	0.52	0.72	1.02	1.5	dB	0.067

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:	0.1 dB
Loss due to Connector 2:	0.1 dB
Base Weight:	0.041 pounds
Additional Weight per Inch:	0.00209 pounds

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB per connector.

Mechanical Specifications

Cable Assembly

Weight	0.041 lbs [18.6 g]
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Cable

Cable Type	PE-SR402FL
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PTFE
Number of Shields	1
Shield Layer 1	Tinned Copper Braid
Repeated Minimum Bend Radius	0.625 in [15.88 mm]

Connectors

Description	Connector 1	Connector 2
Type	BMA Jack 2 Hole Flange	SMA Male Threaded
Impedance	50 Ohms	50 Ohms
Connection Method	Slide-On	
Mating Cycles	1,000	
Contact Material and Plating	Beryllium Copper, Gold	
Contact Plating Specification	51.18μ in. minimum	
Dielectric Type	PTFE	
Outer Conductor Material and Plating	Beryllium Copper, Gold	
Body Material and Plating	Stainless Steel, Gold	Brass, Gold over Nickel
Body Plating Specification	19.68μ in. minimum	
Coupling Nut Material and Plating		Passivated Stainless Steel
Hex Size		5/16 inch
Torque		8 in-lbs [0.9 Nm]

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

Plotted and Other Data

Notes:

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How to Order

Part Number Configuration:

PE3W07083

- **xx**

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

Example: PE3W07083-12 = 12 inches long cable
PE3W07083-100cm = 100 cm long cable

Slide-On BMA Jack 2 Hole Flange to SMA Male Cable Using PE-SR402FL 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.

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URL: <https://www.pasternack.com/bma-jack-sma-male-pe-sr402fl-cable-assembly-pe3w07083-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.

