

## Bulkhead Mount Slide-On BMA Plug to SMA Male Adapter



### PE910108

#### Configuration

- Slide-On BMA Plug Connector 1
- SMA Male Connector 2
- 50 Ohms Impedance
- Straight Body Geometry
- Bulkhead Mount Method

#### Features

- Max VSWR of 1.15:1 up to 18 GHz
- Gold over Nickel over Copper Plated Brass Contact

#### Applications

- Allows Connection Between Series
- General Purpose Test
- Rack Mounted Equipment

#### Description

Pasternack's PE910108 bulkhead slide-on BMA plug to SMA male adapter is part of our full line of RF components available for same-day shipping. Our BMA to SMA adapter has a plug to male gender configuration built of durable stainless steel. PE910108 BMA plug to SMA male adapter operates to 18 GHz. The Pasternack RF adapter provides excellent VSWR of 1.15:1 maximum. This RF BMA bulkhead to SMA adapter 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.

RF adapters are often used to enable connections between two connector types that would otherwise not mate. Certain adapter configurations can also be used to protect connectors on expensive equipment where the number of connect/disconnect cycles is high. An RF, microwave or millimeter wave adapter is connected to the equipment, and the commonly changed connection is made with the adapter which can be easily replaced when it wears out after high usage; such adapters are referred to as connector savers. Pasternack also offers bulkhead, panel mount, hermetically sealed, reverse polarity, and isolated ground adapter varieties to serve all of your RF, microwave and millimeter wave needs.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
Impedance		50		Ohms
VSWR			1.15:1	
Insertion Loss			0.212	dB
Operating Voltage (AC)			1,000	Vrms
Dielectric Withstanding Voltage (AC)			1,500	Vrms
Insulation Resistance	5,000			MOhms

#### Mechanical Specifications

##### Size

Length	0.91 in [23.01 mm]
Width	0.43 in [11.00 mm]
Height	0.91 in [23.01 mm]
Weight	0.02 lbs [9.07 g]

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Description	Connector 1	Connector 2
Polarity	Standard	
Mating Cycles, Min	1,000	500
Mating Torque		7 to 9.5 in-lbs 0.79 to 1.07 Nm
Contact Captivation Axial Force, Min	6.1 lbs [2.77 kg]	6.1 lbs [2.77 kg]
Coupling Proof Torque		15 in-lbs [1.7 Nm]
Coupling Retention, Min		60.7 lbs [27.53 kg]

### Material Specifications

Description	Connector 1			Connector 2
Description	Material	Plating	Material	Plating
Type	Slide-On BMA Plug			SMA Male
Contact	Brass	Gold over Nickel over Copper	Brass	Gold over Nickel over Copper
Insulation	PTFE		PTFE	
Outer Conductor	Passivated Stainless Steel		Passivated Stainless Steel	
Body	Passivated Stainless Steel		Passivated Stainless Steel	
Gasket	Silicone		Silicone	
Washer	Passivated Stainless Steel		Passivated Stainless Steel	

### Environmental Specifications

#### Temperature

Operating Range	-65 to +165 °C
Humidity	MIL-STD-202, Method 206
Thermal 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

Bulkhead Mount Slide-On BMA Plug to SMA Male Adapter 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: [Bulkhead Mount Slide-On BMA Plug to SMA Male Adapter PE910108](#)

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.

PE910108 CAD Drawing

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