

Bulkhead Slide-On BMA Plug (Male) to SMA Male (Plug) Adapter MIL-STD-202, Method 206



FMAD10098

Configuration

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

Features

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

Applications

- Enables Between Series Connections
- General Purpose Test
- Rack Mounted Equipment

Description

Bulkhead slide-on BMA plug to SMA male adapter part number FMAD10098 from Fairview Microwave is in-stock and ships same day. This Fairview BMA to SMA adapter has a plug to male gender configuration and is built of durable stainless steel. FMAD10098 BMA plug to SMA male adapter operates to 18 GHz. The Fairview Microwave RF adapter provides excellent VSWR of 1.15:1 maximum. Our 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 can be used to enable connections between two connector types that would otherwise not mate. Certain RF adapter configurations can also be used to protect connectors on expensive equipment where the number of connect and 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. Fairview Microwave 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	
	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

Humidity

Thermal Shock

Salt Spray

-65 to +165 °C

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MIL-STD-202, Method 107, Condition B

MIL-STD-202, Method 101, Condition B

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

Plotted and Other Data

Bulkhead Slide-On BMA Plug (Male) to SMA Male (Plug) Adapter MIL-STD-202, Method 206 from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Bulkhead Slide-On BMA Plug \(Male\) to SMA Male \(Plug\) Adapter MIL-STD-202, Method 206 FMAD10098](#)

URL: <https://www.fairviewmicrowave.com/product/rf-adapters/bulkhead-slide-on-bma-plug-to-sma-male-adapter-mil-std-202-method-206-with-passivated-stainless-steel-body-fmad10098.html>

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