

## Bulkhead Slide-On BMA Plug to SMA Female Adapter

Bulkhead slide-on BMA plug to SMA female adapter part number FMAD1112 from Fairview Microwave is in-stock and ships same day. This Fairview BMA to SMA adapter has a plug to female gender configuration and is built of durable stainless steel. FMAD1112 BMA plug to SMA female adapter operates to 18 GHz. The Fairview Microwave RF adapter provides excellent VSWR of 1.25:1 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	Min	Typ	Max	Units
Frequency Range	DC		18	GHz
VSWR			1.25:1	
Insertion Loss			0.3	dB
Operating Voltage (AC)			350	Vrms
DWV (AC)			1,000	Vrms
Insulation Resistance	5,000			MOhms

### Mechanical Specifications

<b>Size</b>	
Length	0.76 in [19.3 mm]
Width	0.43 in [10.92 mm]
Weight	0.0095 lbs [4.31 g]

Description	Connector 1	Connector 2
Type	BMA Plug	SMA Female
Connection Method	Slide-On	
Polarity	Standard	Standard
Mating Cycles	500	500
Contact Retention Force, Min	6.07 lbs [2.75 Kg]	



### Configuration:

- Slide-On BMA Plug Connector 1
- SMA Female Connector 2
- 50 Ohm
- Straight Body Geometry
- Bulkhead Mount Method

### Features:

- VSWR of 1.25:1 max up to 18 GHz
- 51.18µ in. minimum contact plating
- Gold Plated Beryllium Copper Contact
- Low-Engagement Force

### Applications:

- Enables Between Series Connections
- General Purpose Test
- Rack Mounted Equipment
- Blind Mating
- Rack and Panel
- Phased Array Systems
- Base Stations
- RF Backplanes
- Test I/O

Fairview Microwave  
1130 Junction Dr. #100  
Allen, TX 75013  
Tel: 1-800-715-4396 / (972) 649-6678  
Fax: (972) 649-6689  
[www.fairviewmicrowave.com](http://www.fairviewmicrowave.com)  
[sales@fairviewmicrowave.com](mailto:sales@fairviewmicrowave.com)

**Material Specifications**

Description	Connector 1	Connector 2
Type	BMA Plug	SMA Female
Contact Material	Beryllium Copper	Beryllium Copper
Contact Plating	Gold	Gold
Contact Plating Spec.	51.18µ in. minimum	51.18µ in. minimum
Insulation Material	PTFE	PTFE
Body Material	Passivated Stainless Steel	Passivated Stainless Steel
Gasket Material	Silicone Rubber	

**Environmental Specifications**

**Temperature**

Operating Range

-65 to +165 deg C

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

**Plotted and Other Data**

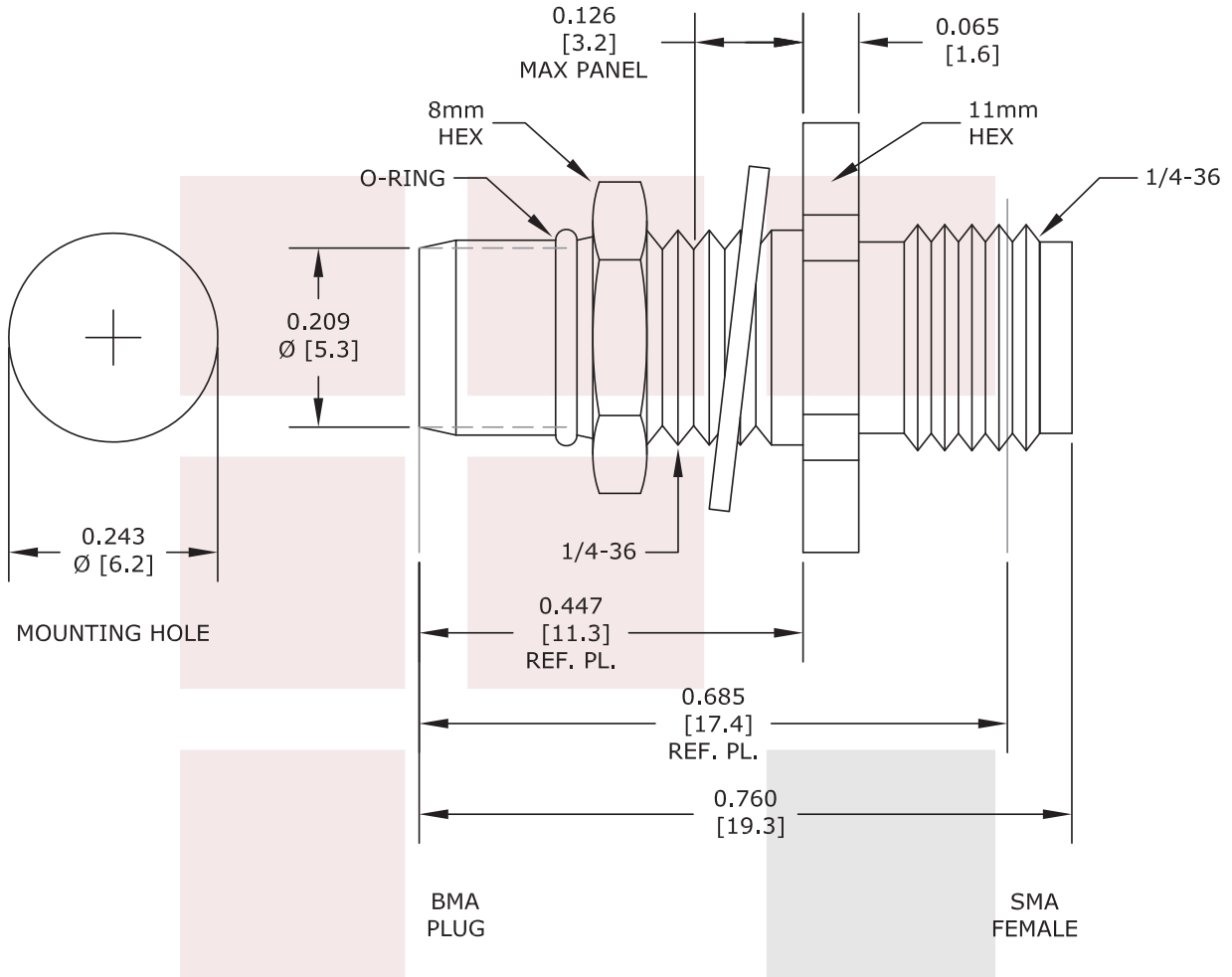
Notes:

Bulkhead Slide-On BMA Plug to SMA Female Adapter 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 Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Bulkhead Slide-On BMA Plug to SMA Female Adapter FMAD1112](#)

URL: <https://www.fairviewmicrowave.com/bulkhead-slide-on-bma-plug-sma-female-adapter-fmad1112-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. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.



**STANDARD TOLERANCES**

.X  $\pm 0.2$   
.XX  $\pm 0.1$   
.XXX  $\pm 0.05$

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

<b>FAIRVIEW MICROWAVE INC.</b> ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM		NOTES: 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES [mm].			
TITLE Bulkhead Slide-On BMA Plug to SMA Female Adapter		DWG NO FMAD1112		CAGE CODE 3FKR5	
CAD FILE	022217	SHEET	SCALE	N/A	SIZE A 2233