

BMMA Male (Plug) to SMA Female (Jack) Bulkhead Adapter with Passivated Stainless Steel Body



FMAD10003

Configuration

- BMMA Male Connector 1
- SMA Female Connector 2
- 50 Ohms Impedance
- Straight Body Geometry
- Bulkhead Mount Method

Features

- VSWR of 1.3:1 max up to 18 GHz
- Gold Plated Beryllium Copper Contact

Applications

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

Description

BMMA male to SMA female bulkhead adapter part number FMAD10003 from Fairview Microwave is in-stock and ships same day. This Fairview BMMA to SMA adapter has a male to female gender configuration and is built of durable stainless steel. FMAD10003 BMMA male to SMA female adapter operates to 18 GHz. The Fairview Microwave RF adapter provides good VSWR of 1.3:1 maximum. Our RF BMMA to SMA bulkhead 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			1.3:1	
Insertion Loss			0.424	dB

Mechanical Specifications

Size

Length	0.76 in [19.30 mm]
Width	0.31 in [7.80 mm]
Height	0.31 in [7.80 mm]
Weight	0.01 lbs [2.72 g]

Description	Connector 1	Connector 2
Mating Cycles, Min	500	

BMMA Male (Plug) to SMA Female (Jack) Bulkhead Adapter with Passivated Stainless Steel Body



FMAD10003

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	BMMA Male		SMA Female	
Contact	Beryllium Copper	Gold	Beryllium Copper	Gold
Outer Conductor	Passivated Stainless Steel		Passivated Stainless Steel	
Body	Passivated Stainless Steel		Passivated Stainless Steel	

Environmental Specifications

Temperature

Operating Range -65 to +165 °C

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

Plotted and Other Data

BMMA Male (Plug) to SMA Female (Jack) Bulkhead Adapter with Passivated Stainless Steel Body 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: [BMMA Male \(Plug\) to SMA Female \(Jack\) Bulkhead Adapter with Passivated Stainless Steel Body FMAD10003](#)

URL: <https://www.fairviewmicrowave.com/bmma-male-to-sma-female-bulkhead-adapter-with-passivated-stainless-steel-body-fmad10003-p.aspx>

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. 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 liability arising out of the use of any part or document.

FMAD10003 CAD Drawing

BMMA Male (Plug) to SMA Female (Jack) Bulkhead Adapter with Passivated Stainless Steel Body

