

## Bulkhead SMA Female (Jack) to SMA Female (Jack) Adapter, Commercial Grade

### FMAD10064



#### Configuration

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

#### Features

- Gold Plated Brass Contact

#### Applications

- General Purpose Test
- Rack Mounted Equipment

#### Description

Bulkhead SMA female to SMA female adapter part number FMAD10064 from Fairview Microwave is in-stock and ships same day. This Fairview SMA to SMA adapter has a female to female gender configuration. FMAD10064 SMA female to SMA female adapter operates to 6 GHz. The SMA connector mates mechanically with commercially available 3.5mm and 2.92mm (K) connectors. Our RF SMA 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		6	GHz
Impedance		50		Ohms
Insertion Loss			0.15	dB
Operating Voltage (DC)			500	Vdc
Dielectric Withstanding Voltage (AC)			1,000	Vrms

#### Mechanical Specifications

##### Size

Length	0.88 in [22.35 mm]
Width	0.49 in [12.45 mm]
Height	0.49 in [12.45 mm]
Weight	0.02 lbs [9.07 g]

Description	Connector 1	Connector 2
Polarity	Standard	Standard

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Description	Connector 1	Connector 2
Hex Size	in	

### Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	SMA Female		SMA Female	
Contact	Brass	Gold	Brass	Gold
Insulation	PTFE		PTFE	
Outer Conductor	Brass	Nickel	Brass	Nickel
Body	Brass	Nickel	Brass	Nickel
Washer	Brass	Nickel		
Coupling Nut	Brass	Nickel		

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

Bulkhead SMA Female (Jack) to SMA Female (Jack) Adapter, Commercial Grade 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 SMA Female \(Jack\) to SMA Female \(Jack\) Adapter, Commercial Grade FMAD10064](#)

URL: <https://www.fairviewmicrowave.com/product/rf-adapters/bulkhead-sma-female-to-sma-female-adapter-fmad10064.html>

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.

FMAD10064 CAD Drawing

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