

Bulkhead 7/16 DIN Female (Jack) to 7/16 DIN Female (Jack) Adapter



FMAD10139

Configuration

- 7/16 DIN Female Connector 1
- 7/16 DIN Female Connector 2
- 50 Ohms Impedance
- Straight Body Geometry
- Bulkhead Mount Method

Features

- VSWR of 1.2:1 max up to 8 GHz
- Gold over Nickel Plated Phosphor Bronze Contact

Applications

- General Purpose Test
- Rack Mounted Equipment

Description

Bulkhead 7/16 DIN female to 7/16 DIN female bulkhead adapter part number FMAD10139 from Fairview Microwave is in-stock and ships same day. This Fairview 7/16 DIN to 7/16 DIN adapter has a female to female gender configuration. FMAD10139 7/16 DIN female to 7/16 DIN female adapter operates to 8 GHz. The Fairview Microwave RF adapter provides excellent VSWR of 1.2:1 maximum. Our RF 7/16 DIN bulkhead to 7/16 DIN 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		8	GHz
Impedance		50		Ohms
VSWR			1.2:1	
Insertion Loss			0.11	dB
Operating Voltage (AC)			2,700	Vrms
Dielectric Withstanding Voltage (AC)			4,000	Vrms
Insulation Resistance	10,000			MOhms

Mechanical Specifications

Size

Length	1.37 in [34.80 mm]
Width	1.42 in [35.99 mm]
Height	1.42 in [35.99 mm]
Weight	0.26 lbs [118.84 g]

Bulkhead 7/16 DIN Female (Jack) to 7/16 DIN Female (Jack) Adapter



FMAD10139

Description	Connector 1	Connector 2
Polarity	Standard	Standard
Mating Cycles, Min	500	500
Mating Torque	260 in-lbs 29.38 Nm min	260 in-lbs 29.38 Nm min
Contact Captivation Axial Force, Min	45 lbs [20.41 kg]	45 lbs [20.41 kg]
Coupling Proof Torque	310 ft-lbs [35.03 Nm]	310 ft-lbs [35.03 Nm]

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	7/16 DIN Female		7/16 DIN Female	
Contact	Phosphor Bronze	Gold over Nickel	Phosphor Bronze	Gold over Nickel
Insulation	PTFE		PTFE	
Body	Brass	Copper-Tin-Zinc Alloy	Brass	Copper-Tin-Zinc Alloy
Washer	Brass	Copper-Tin-Zinc Alloy	Brass	Copper-Tin-Zinc
Coupling Nut	Brass	Copper-Tin-Zinc Alloy	Brass	Copper-Tin-Zinc Alloy

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 7/16 DIN Female (Jack) to 7/16 DIN Female (Jack) 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 Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Bulkhead 7/16 DIN Female \(Jack\) to 7/16 DIN Female \(Jack\) Adapter FMAD10139](#)

URL: <https://www.fairviewmicrowave.com/product/rf-adapters/bulkhead-7-16-din-female-to-7-16-din-female-adapter-fmad10139.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.

FMAD10139 CAD Drawing

Bulkhead 7/16 DIN Female (Jack) to 7/16 DIN Female (Jack) Adapter

