

BNC Female (Jack) to BNC Female (Jack) Hermetically Sealed Bulkhead Adapter, Commercial Grade



FMAD10092

Configuration

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

Features

- VSWR of 1.5:1 max up to 4 GHz
- Gold Plated Brass Contact
- Provides In-Series BNC to BNC Connections
- Operates to 4 GHz
- Max VSWR of 1.5:1
- Gold Plated Center Contacts
- Bulkhead Mount

Applications

- General Purpose Test
- Rack Mounted Equipment
- Input / Output Port
- Commercial Products to 4 GHz
- Test and Measurement Applications

Description

Bulkhead BNC female to BNC female adapter part number FMAD10092 from Fairview Microwave is in-stock and ships same day. This Fairview BNC to BNC adapter has a female to female gender configuration. FMAD10092 BNC female to BNC female adapter operates to 4 GHz. The Fairview Microwave RF adapter provides good VSWR of 1.5:1 maximum. Our RF BNC bulkhead to BNC 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		4	GHz
Impedance		50		Ohms
VSWR			1.5:1	
Operating Voltage (AC)			500	Vrms
Dielectric Withstanding Voltage (AC)			1,500	Vrms
Inner Conductor DC Resistance			1.5	mOhms
Outer Conductor DC Resistance			1	mOhms
Insulation Resistance	5,000			MOhms

Mechanical Specifications

Size

Length	1.56 in [39.62 mm]
Width	0.69 in [17.53 mm]

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Height	0.69 in [17.53 mm]	
Weight	0.05 lbs [22.68 g]	
Description	Connector 1	Connector 2
Polarity	Standard	Standard

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	BNC Female		BNC Female	
Contact	Brass	Gold	Brass	Gold
Insulation	PTFE		PTFE	
Outer Conductor	Brass	Nickel	Brass	Nickel Gold
Body	Brass	Nickel	Brass	Nickel
Gasket	Rubber		PTFE	
Washer	Brass	Nickel		

Environmental Specifications

Temperature

Operating Range -65 to +165 °C

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

Plotted and Other Data

BNC Female (Jack) to BNC Female (Jack) Hermetically Sealed Buckhead 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: [BNC Female \(Jack\) to BNC Female \(Jack\) Hermetically Sealed Buckhead Adapter, Commercial Grade FMAD10092](#)

URL: <https://www.fairviewmicrowave.com/product/rf-adapters/bulkhead-bnc-female-to-bnc-female-adapter-fmad10092.html>

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FMAD10092 CAD Drawing

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