

Low PIM NEX10 Female (Jack) to SMA Female (Jack) Bulkhead Adapter



FMAD1716

Configuration

- NEX10 Female Connector 1
- SMA Female Connector 2
- 50 Ohm
- Low PIM Design
- Straight Body Geometry
- Bulkhead Mount Method

Features

- Typical PIM levels of -155 dBc
- Silver Plated Beryllium Copper Contact
- Max of VSWR 1.15:1 at 3GHz, Max of VSWR 1.25:1 at 6GHz

Applications

- Enables Between Series Connections
- General Purpose Test
- Rack Mounted Equipment
- Low PIM Applications

Description

NEX10 female to SMA female bulkhead adapter part number FMAD1716 from Fairview Microwave is in-stock and ships same day. This Fairview NEX10 to SMA adapter has a female to female gender configuration in a low PIM design. FMAD1716 NEX10 female to SMA female adapter operates to 6 GHz. The Fairview Microwave RF adapter provides a passive intermodulation of -155 dBc typical. Our RF NEX10 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		6	GHz
Impedance		50 Ohm		
Passive Intermodulation		-155		dBc
Dielectric Withstanding Voltage (AC)			750	Vrms

Mechanical Specifications

Size

Length	1.10 in [28.00 mm]
Width	0.39 in [10.00 mm]
Height	0.39 in [10.00 mm]
Weight	0.02 lbs [9.48 g]

Description	Connector 1	Connector 2
Type	NEX10 Female	SMA Female
Polarity	Standard	Standard

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Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	NEX10 Female		SMA Female	
Contact	Beryllium Copper	Silver	Beryllium Copper	Silver
Insulation	PTFE		PTFE	
Outer Conductor	Brass	Tri-Metal	Brass	Tri-Metal
Body	Brass	Tri-Metal	Brass	Tri-Metal

Environmental Specifications

Temperature

Operating Range -40 to +155 °C

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

Plotted and Other Data

Low PIM NEX10 Female (Jack) to SMA Female (Jack) Bulkhead 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: [Low PIM NEX10 Female \(Jack\) to SMA Female \(Jack\) Bulkhead Adapter FMAD1716](#)

URL: <https://www.fairviewmicrowave.com/low-pim-nex10-female-to-sma-female-bulkhead-adapter-fmad1716-p.aspx>

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FMAD1716 CAD Drawing

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