

Low PIM 2.2-5 Male (Plug) to 3.5mm Female (Jack) Adapter



FMAD1697

Configuration

- 2.2-5 Male Connector 1
- 3.5mm Female Connector 2
- 50 Ohm
- Low PIM Design
- Straight Body Geometry

Features

- Typical PIM levels of -160 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
- Low PIM Applications

Description

2.2-5 male to 3.5mm female adapter part number FMAD1697 from Fairview Microwave is in-stock and ships same day. This Fairview 2.2-5 to 3.5mm adapter has a male to female gender configuration in a low PIM design. FMAD1697 2.2-5 male to 3.5mm female adapter operates to 8 GHz. The Fairview Microwave RF adapter provides a passive intermodulation of -160 dBc typical.

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 Ohm		
Passive Intermodulation		-160		dBc
Dielectric Withstanding Voltage (AC)			750	Vrms

Mechanical Specifications

Size

Length	1.18 in [30.00 mm]
Width	0.63 in [16.00 mm]
Height	0.69 in [17.50 mm]
Weight	0.05 lbs [24.05 g]

Description	Connector 1	Connector 2
Type	2.2-5 Male	3.5mm Female
Polarity	Standard	Standard

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Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	2.2-5 Male		3.5mm Female	
Contact	Beryllium Copper	Silver	Beryllium Copper	Silver
Insulation	PTFE		PTFE	
Outer Conductor			Brass	Tri-Metal
Body	Brass	Tri-Metal	Brass	Tri-Metal
Coupling Nut	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 2.2-5 Male (Plug) to 3.5mm 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: [Low PIM 2.2-5 Male \(Plug\) to 3.5mm Female \(Jack\) Adapter FMAD1697](#)

URL: <https://www.fairviewmicrowave.com/low-pim-2.2-5-male-to-3.5mm-female-adapter-fmad1697-p.aspx>

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