

Engineering Grade 2.92mm Female (Jack) to 2.4mm Female (Jack) Adapter with Stainless Steel Body



FMAD1625

Configuration

- 2.92mm Female Connector 1
- 2.4mm Female Connector 2
- 50 Ohms Impedance
- Engineering Grade Design
- Straight Body Geometry

Features

- VSWR of 1.25:1 max up to 40 GHz
- Gold Over Nickel Plated Beryllium Copper Contact

Applications

- Enables Between Series Connections
- General Purpose Test

Description

2.92mm female to 2.4mm female adapter part number FMAD1625 from Fairview Microwave is in-stock and ships same day. This Fairview 2.92mm to 2.4mm adapter has a female to female gender configuration and is built of durable stainless steel in a engineering grade design. FMAD1625 2.92mm female to 2.4mm female adapter operates to 40 GHz. The Fairview Microwave RF adapter provides excellent VSWR of 1.25:1 maximum. The 2.92mm connector mates mechanically with commercially available SMA and 3.5mm connectors. The 2.4mm connector mates mechanically with commercially available 1.85mm (V) connectors.

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		40	GHz
Impedance		50		Ohms
VSWR			1.25:1	
Operating Voltage (AC)			150	Vrms
Dielectric Withstanding Voltage (AC)			500	Vrms
Insulation Resistance	5,000			MOhms
RF Leakage			100	dB

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 2.5	2.5 to 5	5 to 10	10 to 20	20 to 40	GHz
Insertion Loss, Max	0.079	0.112	0.158	0.224	0.316	dB

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Mechanical Specifications

Size

Length	0.84 in [21.40 mm]
Width	0.31 in [7.90 mm]
Height	0.31 in [7.90 mm]
Weight	0.02 lbs [6.80 g]

Description	Connector 1	Connector 2
Polarity	Standard	Standard
Mating Cycles, Min	500	500
Mating Torque	11.47 in-lbs 1.30 Nm min	7.08 to 9.74 in-lbs 0.80 to 1.10 Nm
Contact Captivation Axial Force, Min	4.9 lbs [2.22 kg]	4.5 lbs [2.04 kg]
Coupling Proof Torque	15 in-lbs [1.7 Nm]	15 in-lbs [1.7 Nm]

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	2.92mm Female		2.4mm Female	
Contact	Beryllium Copper	Gold Over Nickel	Beryllium Copper	Gold Over Nickel
Insulation	PPO		PPO	
Body	Stainless Steel	Passivated	Stainless Steel	Passivated
Gasket	Silicone		Silicone	
Coupling Nut	Stainless Steel	Passivated	Stainless Steel	Passivated

Environmental Specifications

Temperature

Operating Range	-55 to +105 °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

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

Plotted and Other Data

Engineering Grade 2.92mm Female (Jack) to 2.4mm Female (Jack) Adapter with Stainless Steel Body 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: [Engineering Grade 2.92mm Female \(Jack\) to 2.4mm Female \(Jack\) Adapter with Stainless Steel Body FMAD1625](#)

URL: <https://www.fairviewmicrowave.com/engineering-grade-2.92mm-female-to-2.4mm-female-adapter-mil-std-202-method-206-with-stainless-steel-body-fmad1625-p.aspx>

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.

FMAD1625 CAD Drawing

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