

SMA Jack (Female) to BMA Plug (Male) 4 Hole Flange Adapter MIL-STD-202, Method 206 with Stainless Steel Body



FMAD10025

Configuration

- SMA Jack Connector 1
- BMA Plug Connector 2
- 50 Ohms Impedance
- 4 Hole Flange Mount Method

Features

- VSWR of 1.25:1 max up to 18 GHz
- SMA interface meets MIL-STD-348B
- BMA interface meets MIL-STD-348B

Applications

- Enables Between Series Connections
- General Purpose Test
- Rack Mounted Equipment

Description

SMA jack to BMA plug 4 hole flange adapter part number FMAD10025 from Fairview Microwave is in-stock and ships same day. This Fairview SMA to BMA adapter has a jack to plug gender configuration and is built of durable stainless steel. FMAD10025 SMA jack to BMA plug adapter operates to 18 GHz. The Fairview Microwave RF adapter provides excellent VSWR of 1.25:1 maximum. The SMA connector mates mechanically with commercially available 3.5mm and 2.92mm (K) connectors. This SMA to BMA adapter allows for easier connections in tight spaces. Our RF SMA to BMA 4 hole flange 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		18	GHz
Impedance		50		Ohms
VSWR			1.25:1	
Insertion Loss			0.212	dB
Operating Voltage (AC)			1,000	Vrms
Dielectric Withstanding Voltage (AC)			1,500	Vrms
Insulation Resistance	5,000			MOhms

Mechanical Specifications

Size

Length	0.80 in [20.19 mm]
Width	0.50 in [12.70 mm]
Height	0.50 in [12.70 mm]
Weight	0.01 lbs [3.58 g]

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Description	Connector 1	Connector 2
Polarity	Standard	Standard
Interface Specification	MIL-STD-348B	MIL-STD-348B
Mating Cycles, Min	500	1,000
Mating Torque	7 to 9.5 in-lbs 0.79 to 1.07 Nm	
Contact Captivation Axial Force, Min	6.1 lbs [2.77 kg]	6.1 lbs [2.77 kg]
Coupling Proof Torque	15 in-lbs [1.7 Nm]	

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	SMA Jack		BMA Plug	
Insulation	PTFE		PTFE	
Outer Conductor	Beryllium Copper	Gold over Nickel over Copper	Beryllium Copper	Gold over Nickel over Copper
Body	Stainless Steel	Passivated	Stainless Steel	Passivated
Gasket	Silicone		Silicone	

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

SMA Jack (Female) to BMA Plug (Male) 4 Hole Flange Adapter MIL-STD-202, Method 206 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.

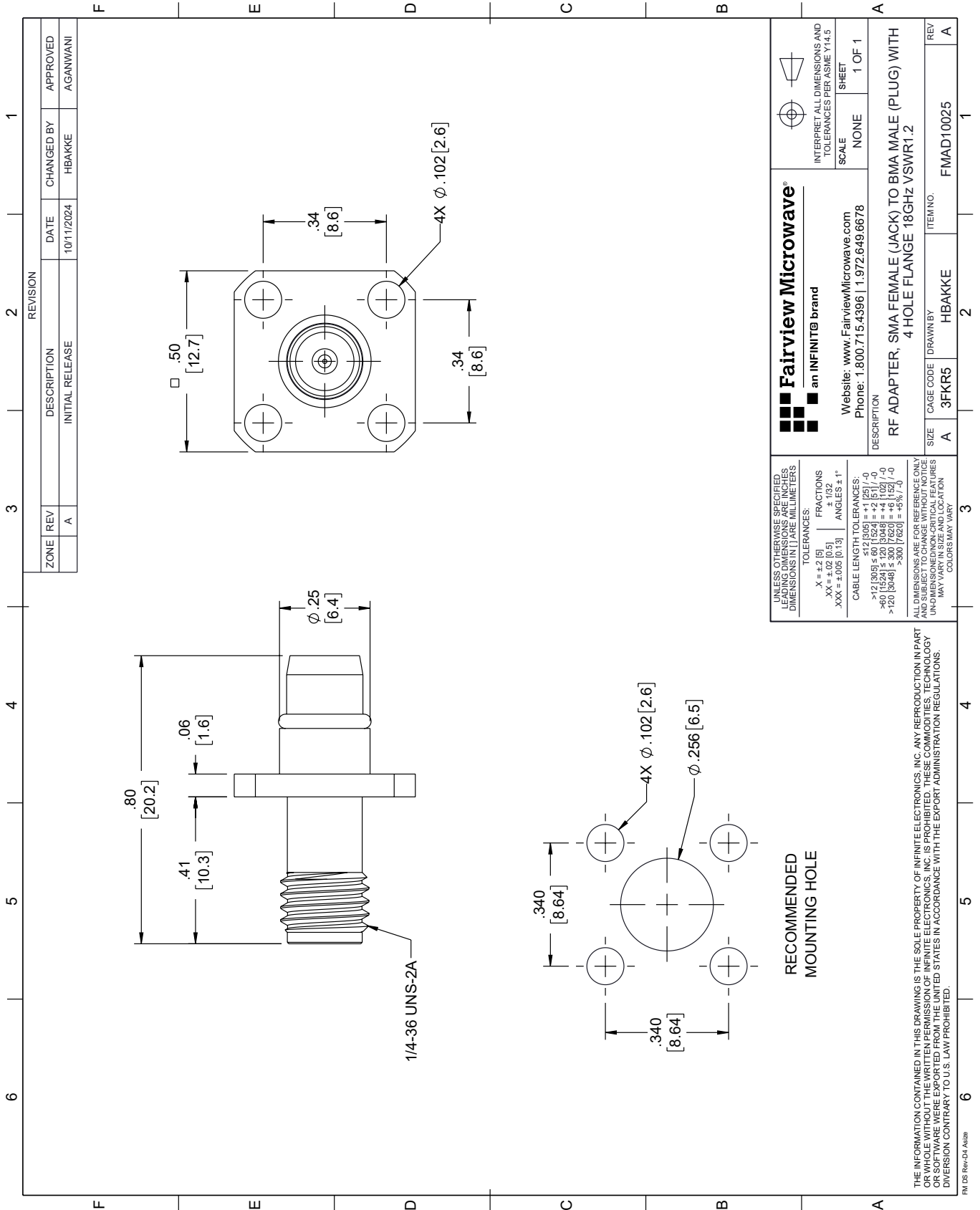
For additional information on this product, please click the following link: [SMA Jack \(Female\) to BMA Plug \(Male\) 4 Hole Flange Adapter MIL-STD-202, Method 206 with Stainless Steel Body FMAD10025](#)

URL: <https://www.fairviewmicrowave.com/product/rf-adapters/sma-jack-to-bma-plug-4-hole-flange-adapter-mil-std-202-method-206-with-stainless-steel-body-fmad10025.html>

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FMAD10025 CAD Drawing

SMA Jack (Female) to BMA Plug (Male) 4 Hole Flange Adapter MIL-STD-202, Method 206 with Stainless Steel Body



REVISION		DATE	CHANGED BY	APPROVED
ZONE	REV	DESCRIPTION	INITIAL RELEASE	
	A			AGANWANI

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UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE MILLIMETERS.

TOLERANCES:
 .X = ±.2 (5) FRACTIONS ± 1/32
 .XX = ±.02 (0.5) ± 1/32
 .XXX = ±.005 (0.13) ANGLES ± 1°

CABLE LENGTH TOLERANCES:
 <12 (305) ≤ 60 (1524) = ±.1 (25) / -0
 >60 (1524) ≤ 120 (3048) = ±.4 (102) / -0
 >120 (3048) ≤ 300 (7620) = ±.8 (20) / -0
 >300 (7620) = ±.8 (20) / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNDIMENSIONED/NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE: NONE SHEET: 1 OF 1

DESCRIPTION: RF ADAPTER, SMA FEMALE (JACK) TO BMA MALE (PLUG) WITH 4 HOLE FLANGE 18GHz VSWR1.2

SIZE: A CAGE CODE: 3FKR5 DRAWN BY: HBAKKE ITEM NO.: FMAD10025 REV: A

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FM DS Rev-D4 Alt2b