

SMA Female (Jack) to SMA Female (Jack) Bulkhead Adapter, Passivated Stainless Steel Body, 1.2 VSWR



SM4911

Configuration

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

Features

- VSWR of 1.2:1 max up to 18 GHz
- SMA interface meets MIL-STD-348
- Epoxy captivation
- Contact plating according to MIL-G-45204
- Gold Plated Beryllium Copper Contact

Applications

- General Purpose Test
- Rack Mounted Equipment

Description

SMA female to SMA female bulkhead adapter part number SM4911 from Fairview Microwave is in-stock and ships same day. This Fairview SMA to SMA adapter has a female to female gender configuration. SM4911 SMA female to SMA female adapter operates to 18 GHz. The Fairview Microwave RF adapter provides excellent VSWR of 1.2:1 maximum. The SMA connector mates mechanically with commercially available 3.5mm and 2.92mm (K) connectors. Our RF SMA 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		18	GHz
Impedance		50		Ohms
VSWR			1.2:1	

Electrical Specification Notes:
Values at 25°C, sea level.

Mechanical Specifications

Size

Length	1.25 in [31.75 mm]
Width	0.38 in [9.53 mm]
Weight	0.01 lbs [6.62 g]

Description	Connector 1	Connector 2
Polarity	Standard	Standard

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Description	Connector 1	Connector 2
Interface Specification	MIL-STD-348	MIL-STD-348
Contact Captivation Method	Epoxy	Epoxy
Mating Cycles, Min	500	500

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	SMA Female		SMA Female	
Contact	Beryllium Copper	Gold MIL-G-45204	Beryllium Copper	Gold MIL-G-45204
Insulation	PTFE		PTFE	
Outer Conductor	Passivated Stainless Steel		Passivated Stainless Steel	

Environmental Specifications

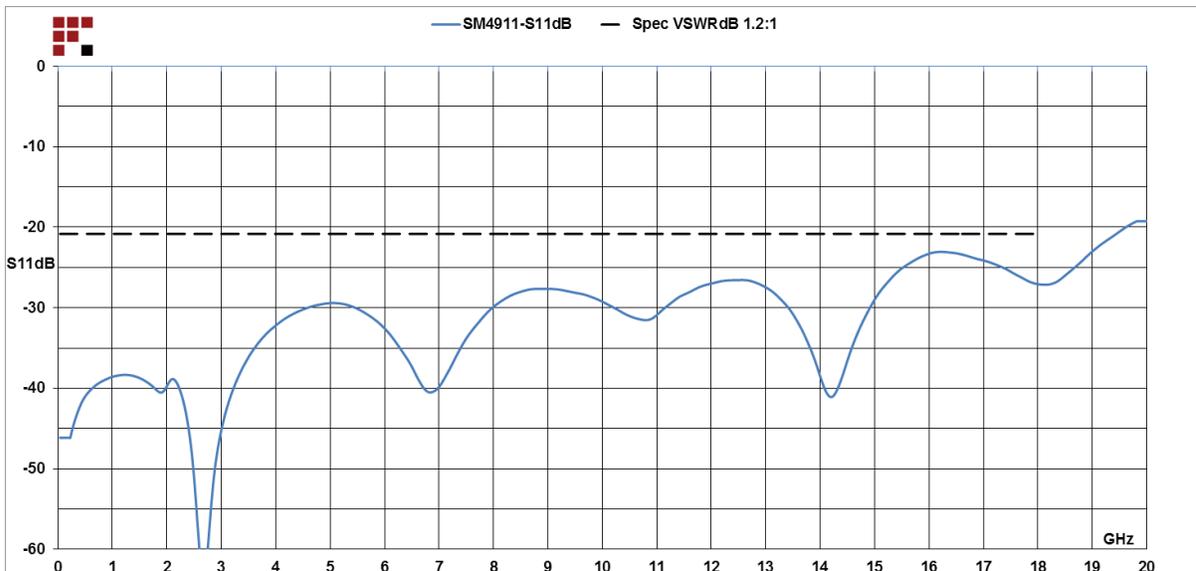
Temperature

Operating Range -55 to +100 °C

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

Plotted and Other Data

Typical Performance Data



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SMA Female (Jack) to SMA Female (Jack) Bulkhead Adapter, Passivated Stainless Steel Body, 1.2 VSWR 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.

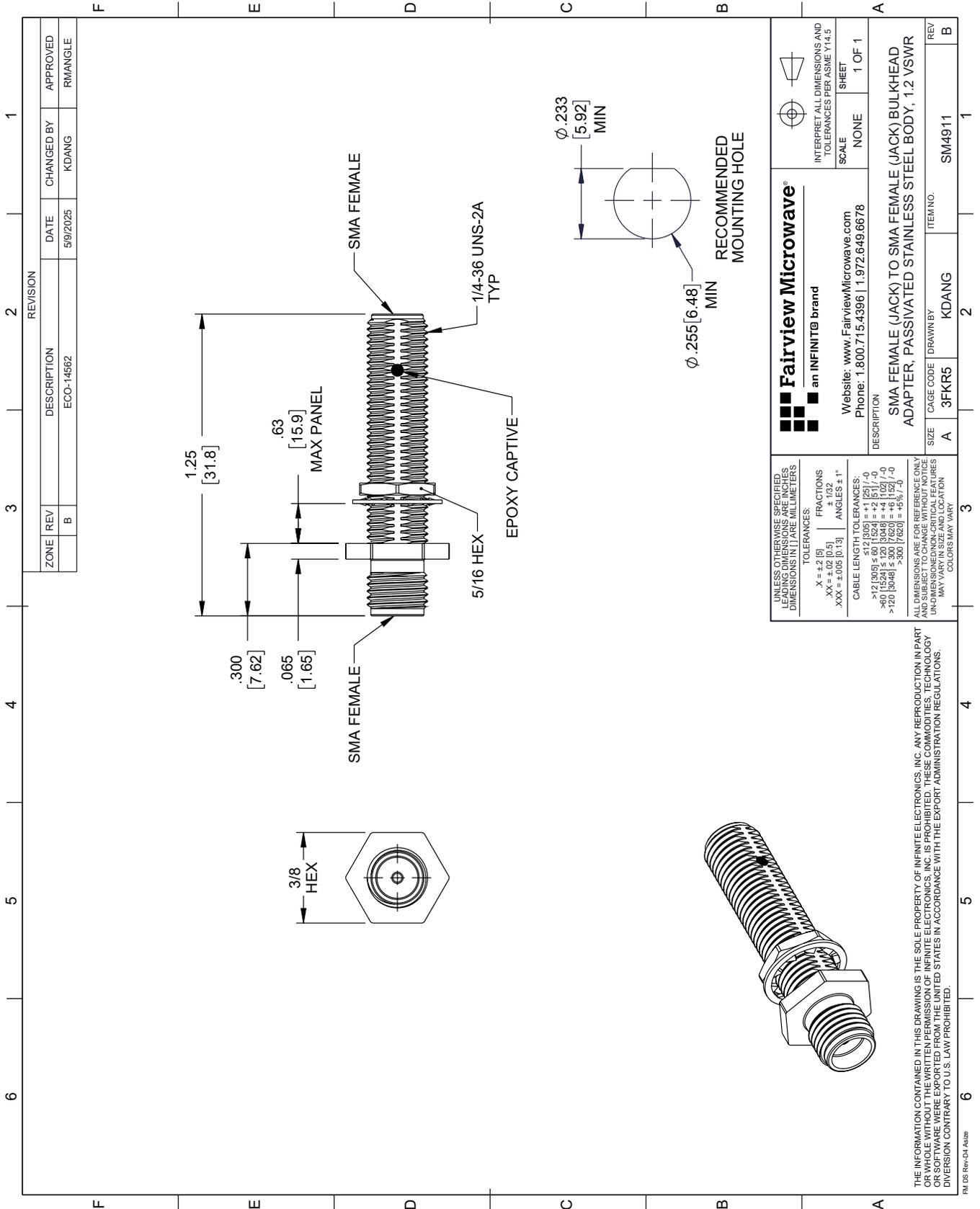
For additional information on this product, please click the following link: [SMA Female \(Jack\) to SMA Female \(Jack\) Bulkhead Adapter, Passivated Stainless Steel Body, 1.2 VSWR SM4911](https://www.fairviewmicrowave.com/product/rf-adapters/sma-female-sma-female-bulkhead-adapter-sm4911.html)

URL: <https://www.fairviewmicrowave.com/product/rf-adapters/sma-female-sma-female-bulkhead-adapter-sm4911.html>

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.

SM4911 CAD Drawing

SMA Female (Jack) to SMA Female (Jack) Bulkhead Adapter, Passivated Stainless Steel Body, 1.2 VSWR



REVISION		DATE	CHANGED BY	APPROVED	
ZONE	REV	DESCRIPTION	ECO-14562	KDANG	RMANGLE
	B				

 an INFINIT® brand		Website: www.FairviewMicrowave.com Phone: 1.800.715.4396 1.972.649.6678	INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE: NONE SHEET: 1 OF 1
UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES, DIMENSIONS IN [] ARE MILLIMETERS.		TOLERANCES: .X = ±.2 [5] ±.132 .XX = ±.02 [0.5] ±.132 .XXX = ±.005 [0.13] ±.132	ANGLE ± 1°
ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNDIMENSIONED NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.		CABLE LENGTH TOLERANCES: <12 [305] ≤ 60 [1524] = +.1 [25] / -0 >60 [1524] ≤ 120 [3048] = +.4 [102] / -0 >120 [3048] ≤ 300 [7620] = +.6 [152] / -0	DESCRIPTION: SMA FEMALE (JACK) TO SMA FEMALE (JACK) BULKHEAD ADAPTER, PASSIVATED STAINLESS STEEL BODY, 1.2 VSWR SIZE: A CAGE CODE: 3FKR5 DRAWN BY: KDANG ITEM NO.: SM4911

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