

## BMMA Female (Jack) to SMA Male (Plug) Adapter with Passivated Stainless Steel Body



### FMAD10004

#### Configuration

- BMMA Female Connector 1
- SMA Male Connector 2
- 50 Ohms Impedance
- Straight Body Geometry

#### Features

- VSWR of 1.3:1 max up to 18 GHz
- Gold Plated Beryllium Copper Contact

#### Applications

- Enables Between Series Connections
- General Purpose Test

#### Description

BMMA female to SMA male adapter part number FMAD10004 from Fairview Microwave is in-stock and ships same day. This Fairview BMMA to SMA adapter has a female to male gender configuration and is built of durable stainless steel. FMAD10004 BMMA female to SMA male adapter operates to 18 GHz. The Fairview Microwave RF adapter provides good VSWR of 1.3:1 maximum.

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			1.3:1	
Insertion Loss			0.424	dB

#### Mechanical Specifications

##### Size

Length	0.69 in [17.48 mm]
Width	0.35 in [8.99 mm]
Height	0.35 in [8.99 mm]
Weight	0.20 lbs [90.72 g]

Description	Connector 1	Connector 2
Mating Cycles, Min	500	

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**FMAD10004**

**Material Specifications**

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	BMMA Female		SMA Male	
Contact	Beryllium Copper	Gold	Beryllium Copper	Gold
Outer Conductor	Passivated Stainless Steel		Passivated Stainless Steel	
Body	Passivated Stainless Steel		Passivated Stainless Steel	

**Environmental Specifications**

**Temperature**

Operating Range -65 to +165 °C

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

**Plotted and Other Data**

BMMA Female (Jack) to SMA Male (Plug) Adapter with Passivated 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.

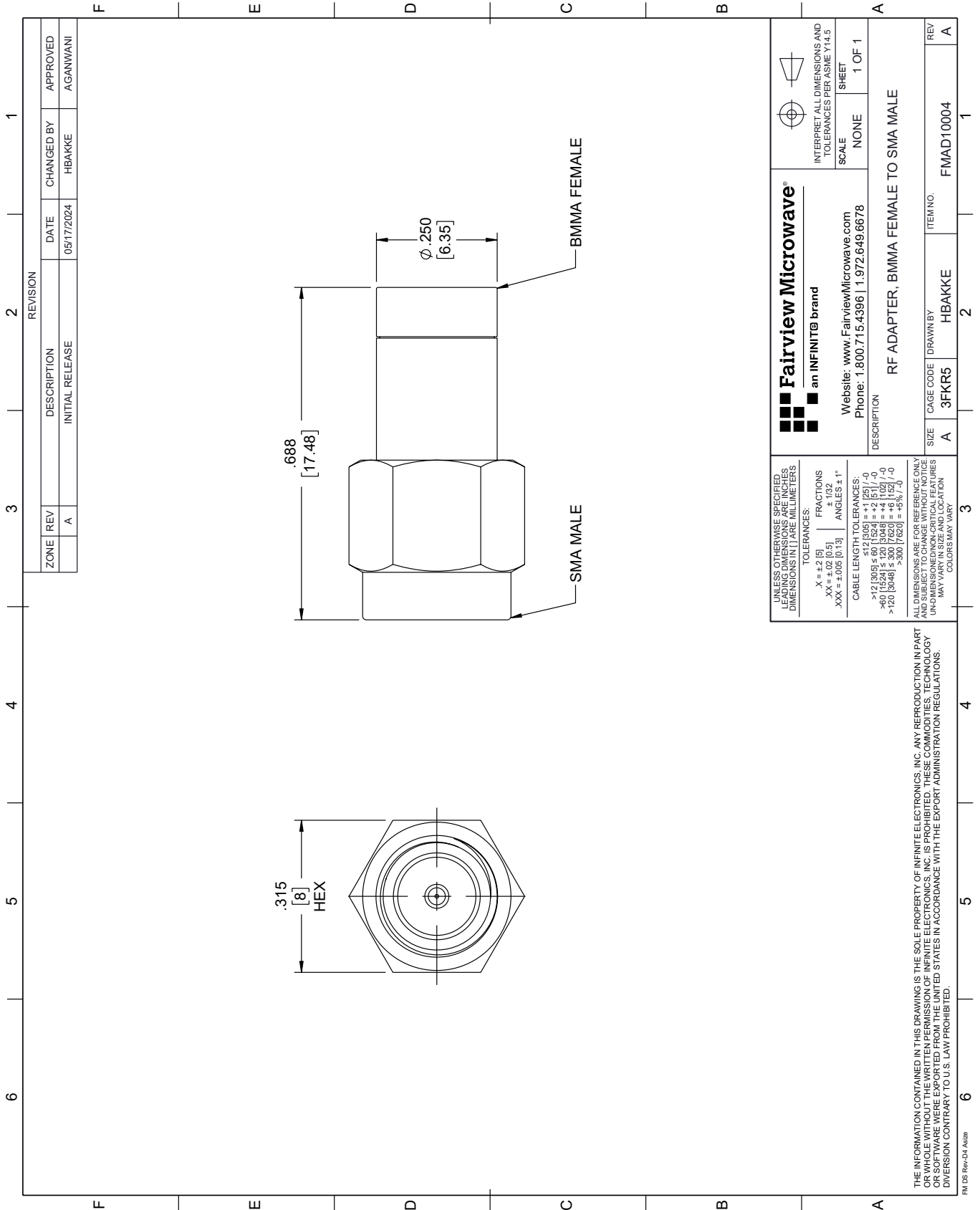
For additional information on this product, please click the following link: [BMMA Female \(Jack\) to SMA Male \(Plug\) Adapter with Passivated Stainless Steel Body FMAD10004](#)

URL: <https://www.fairviewmicrowave.com/bmma-female-to-sma-male-adapter-with-passivated-stainless-steel-body-fmad10004-p.aspx>

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# FMAD10004 CAD Drawing

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REVISION		DATE	CHANGED BY	APPROVED	
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	05/17/2024	HBAKKE	AGANWANI

**Fairview Microwave®**  
an INFINIT® brand

Website: [www.FairviewMicrowave.com](http://www.FairviewMicrowave.com)  
Phone: 1.800.715.4396 | 1.972.649.6678

DESCRIPTION: RF ADAPTER, BMMA FEMALE TO SMA MALE

SCALE: NONE SHEET: 1 OF 1

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	3FKR5	HBAKKE	FMAD10004	A

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

TOLERANCES:

.X = ±.2 [5] FRACTIONS ± 1/32  
.XX = ±.02 [0.51] ANGLES ± 1°  
.XXX = ±.005 [0.13]

CABLE LENGTH TOLERANCES:

>12 [305] ≤ 60 [1524] = +.1 [25] / -0  
>60 [1524] ≤ 120 [3048] = +.4 [102] / -0  
>120 [3048] ≤ 300 [7620] = +.6 [152] / -0

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

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FM DS Rev-D4 Alt2