

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



FMAD10005

Configuration

- BMMA Male 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 Brass Contact

Applications

- Enables Between Series Connections
- General Purpose Test

Description

BMMA male to SMA male adapter part number FMAD10005 from Fairview Microwave is in-stock and ships same day. This Fairview BMMA to SMA adapter has a male to male gender configuration and is built of durable stainless steel. FMAD10005 BMMA male 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	0.67 in [17.02 mm]
Width	0.35 in [8.99 mm]
Height	0.35 in [8.99 mm]
Weight	0.01 lbs [3.63 g]

Description	Connector 1	Connector 2
Mating Cycles, Min	500	

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Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	BMMA Male		SMA Male	
Contact	Brass	Gold	Brass	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 Male (Plug) 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.

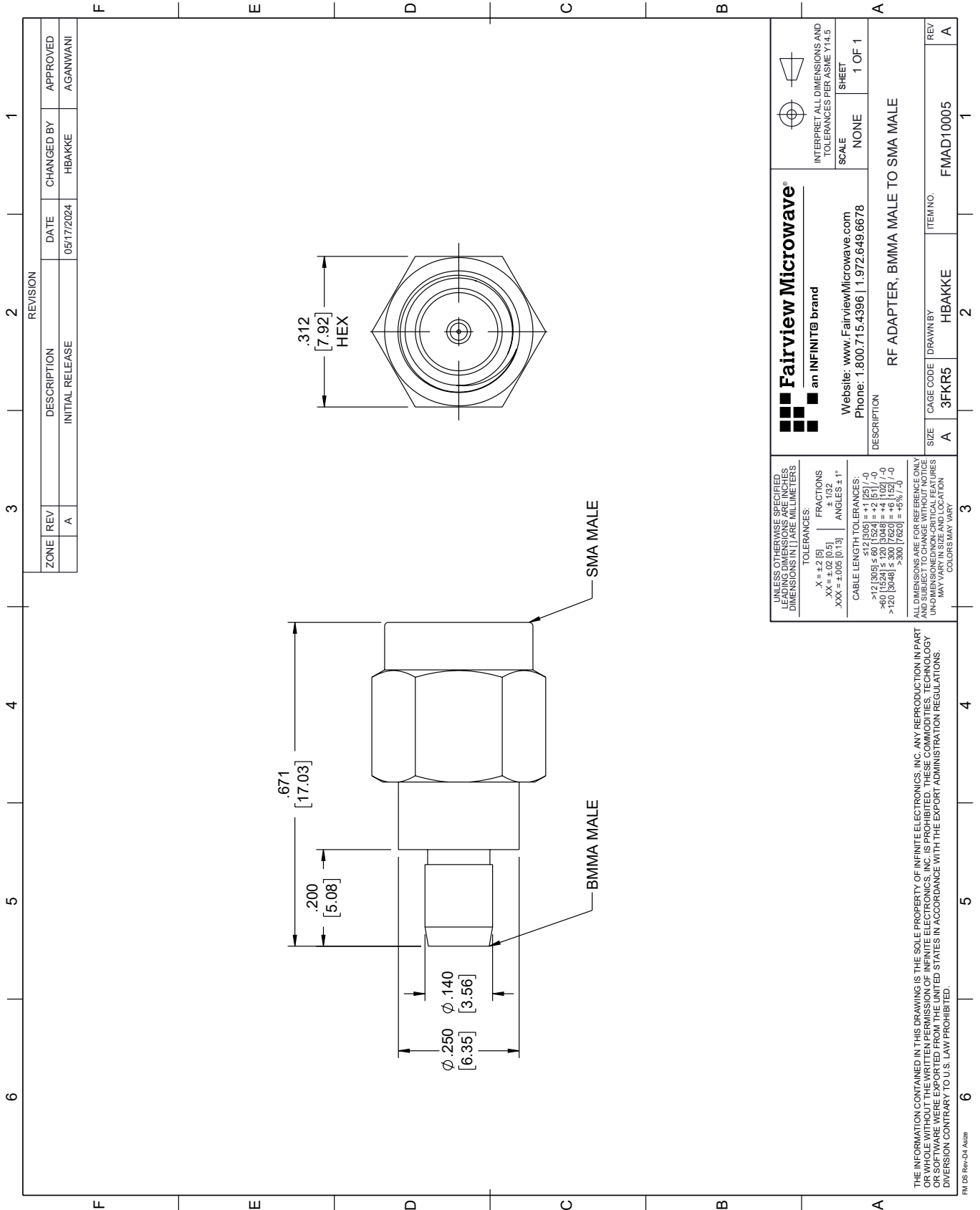
For additional information on this product, please click the following link: [BMMA Male \(Plug\) to SMA Male \(Plug\) Adapter with Passivated Stainless Steel Body FMAD10005](#)

URL: <https://www.fairviewmicrowave.com/bmma-male-to-sma-male-adapter-with-passivated-stainless-steel-body-fmad10005-p.aspx>

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FMAD10005 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

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SCALE: NONE
SHEET: 1 OF 1

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

DESCRIPTION: RF ADAPTER, BMMA MALE TO SMA MALE

SIZE: A
CAGE CODE: 3FKR5
DRAWN BY: HBAKKE
ITEM NO.: FMAD10005

REV: A

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

TOLERANCES:
 .X = +.2 [5] FRACTIONS ± 1/32
 .XX = ±.02 [0.5] 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
 >300 [7620] = +.8 [203] / -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 Alt2b