

SMA Female to BNC Male Adapter with Passivated Stainless Steel Body



FMAD91795

Configuration

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

Features

- VSWR of 1.3:1 max up to 12 GHz
- SMA interface meets MIL-STD-348B
- BNC interface meets MIL-STD-348B
- 4μ in. Minimum contact plating
- Gold over Nickel Plated Phosphor Bronze Contact

Applications

- Enables Between Series Connections
- General Purpose Test

Description

SMA female to BNC male adapter part number FMAD91795 from Fairview Microwave is in-stock and ships same day. This Fairview SMA to BNC adapter has a female to male gender configuration and is built of durable stainless steel. FMAD91795 SMA female to BNC male adapter operates to 12 GHz. The Fairview Microwave RF adapter provides good VSWR of 1.3:1 maximum. The SMA connector mates mechanically with commercially available 3.5mm and 2.92mm (K) 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		12	GHz
Impedance		50		Ohms
VSWR			1.3:1	
Operating Voltage (AC)			500	Vrms
Dielectric Withstanding Voltage (AC)			1,500	Vrms
Insulation Resistance	5,000			MOhms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 7	7 to 12				GHz
VSWR, Max	1.2:1	1.3:1				

Mechanical Specifications

Size

Length	1.24 in [31.50 mm]
Width	0.57 in [14.48 mm]

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Height	0.57 in [14.48 mm]	
Weight	0.05 lbs [22.68 g]	
Description	Connector 1	Connector 2
Polarity	Standard	Standard
Interface Specification	MIL-STD-348B	MIL-STD-348B
Mating Cycles, Min	100	500

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	SMA Female		BNC Male	
Contact	Phosphor Bronze	Gold over Nickel 4μ in. Minimum	Phosphor Bronze	Gold over Nickel 4μ in. Minimum
Insulation	PTFE		PTFE	
Outer Conductor	Passivated Stainless Steel			
Body	Passivated Stainless Steel		Passivated Stainless Steel	
Spring Material	SK5		SK5	
Gasket	Silicon		Silicon	
Washer			Brass	Tri-Metal 100μ in. Minimum
Coupling Nut	Passivated Stainless Steel			

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

SMA Female to BNC Male 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.

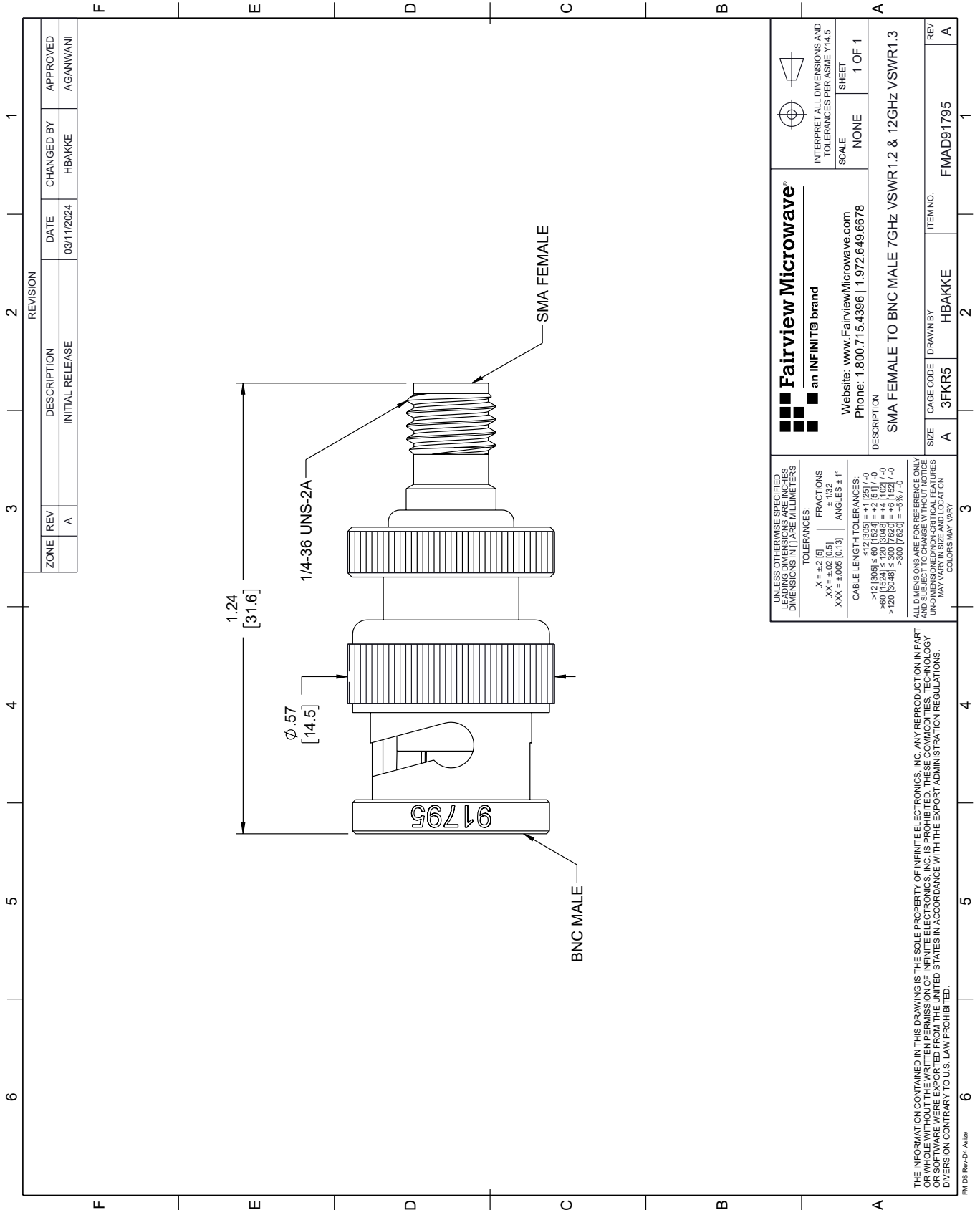
For additional information on this product, please click the following link: [SMA Female to BNC Male Adapter with Passivated Stainless Steel Body FMAD91795](#)

URL: <https://www.fairviewmicrowave.com/sma-female-to-bnc-male-adapter-with-passivated-stainless-steel-body-fmad91795-p.aspx>

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FMAD91795 CAD Drawing

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REVISION		DATE	CHANGED BY	APPROVED	
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	03/11/2024	HBAKKE	AGANWANI

 Fairview Microwave® an INFINIT® brand		 INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE NONE SHEET 1 OF 1
Website: www.FairviewMicrowave.com Phone: 1.800.715.4396 1.972.649.6678		
DESCRIPTION SMA FEMALE TO BNC MALE 7GHz VSWR1.2 & 12GHz VSWR1.3		
SIZE	CAGE CODE	ITEM NO.
A	3FKR5	FMAD91795
DRAWN BY	HBAKKE	REV
		A

UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES AND TRAILING DIMENSIONS ARE IN 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 [15] / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES AND TRAILING DIMENSIONS ARE IN MILLIMETERS. COLORS MAY VARY.

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FM DS Rev-D4 Alt2b