

## VITA 67.3 SMPS Female to Full Detent SMPS Male Adapter

Fairview Microwave's FMCN49828 precision SMPS female to SMPS male VITA 67.3 adapter is part of our full line of RF components available for same-day shipping. Our SMPS female to SMPS male adapter has a female to male gender configuration built of durable stainless steel in a precision design. FMCN49828 SMPS female to SMPS male adapter operates to 40 GHz. The Fairview Microwave RF adapter provides excellent VSWR of 1.35 maximum.

RF adapters are often used to enable connections between two connector types that would otherwise not mate. Certain adapter configurations can also be used to protect connectors on expensive equipment where the number of connect/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	Min	Typ	Max	Units
Frequency Range	DC		40	GHz
VSWR			1.35:1	

### Mechanical Specifications

Size	
Length	0.19 in [4.83 mm]
Width	0.12 in [3.05 mm]
Height	0.12 in [3.05 mm]
Weight	0.00 lbs [0.14 g]

Description	Connector 1	Connector 2
Type	SMPS Female	SMPS Male
Connection Method		Full Detent
Polarity	Standard	Standard
Mating Cycles, Min		100

### Material Specifications

Description	Connector 1	Connector 2
Type	SMPS Female	SMPS Male
Contact Material	Beryllium Copper	Beryllium Copper
Contact Plating	Gold	Gold
Insulation Material	PTFE	PTFE
Outer Contact Material	Beryllium Copper	Beryllium Copper
Outer Contact Plating	Gold	Gold
Body Material	Beryllium Copper	Beryllium Copper
Body Plating	Gold	Gold



### Configuration:

- SMPS Female Connector 1
- Full Detent SMPS Male Connector 2
- 50 Ohm
- VITA 67.3 Design
- Straight Body Geometry

### Features:

- VSWR of 1.35:1 max up to 40 GHz
- Gold Plated Beryllium Copper Contact

### Applications:

- General Purpose Test
- Allows Connection In Series

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[sales@fairviewmicrowave.com](mailto:sales@fairviewmicrowave.com)

### Environmental Specifications

#### Temperature

Operating Range	-65 to +165 deg C
Humidity	MIL-STD-202, Method 106, Less Step 7B
Shock	MIL-STD-202, Method 213, Condition I
Vibration	MIL-STD-202, Method 204, Condition D
Thermal Shock	MIL-STD-202, Method 107, Condition B

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

### Plotted and Other Data

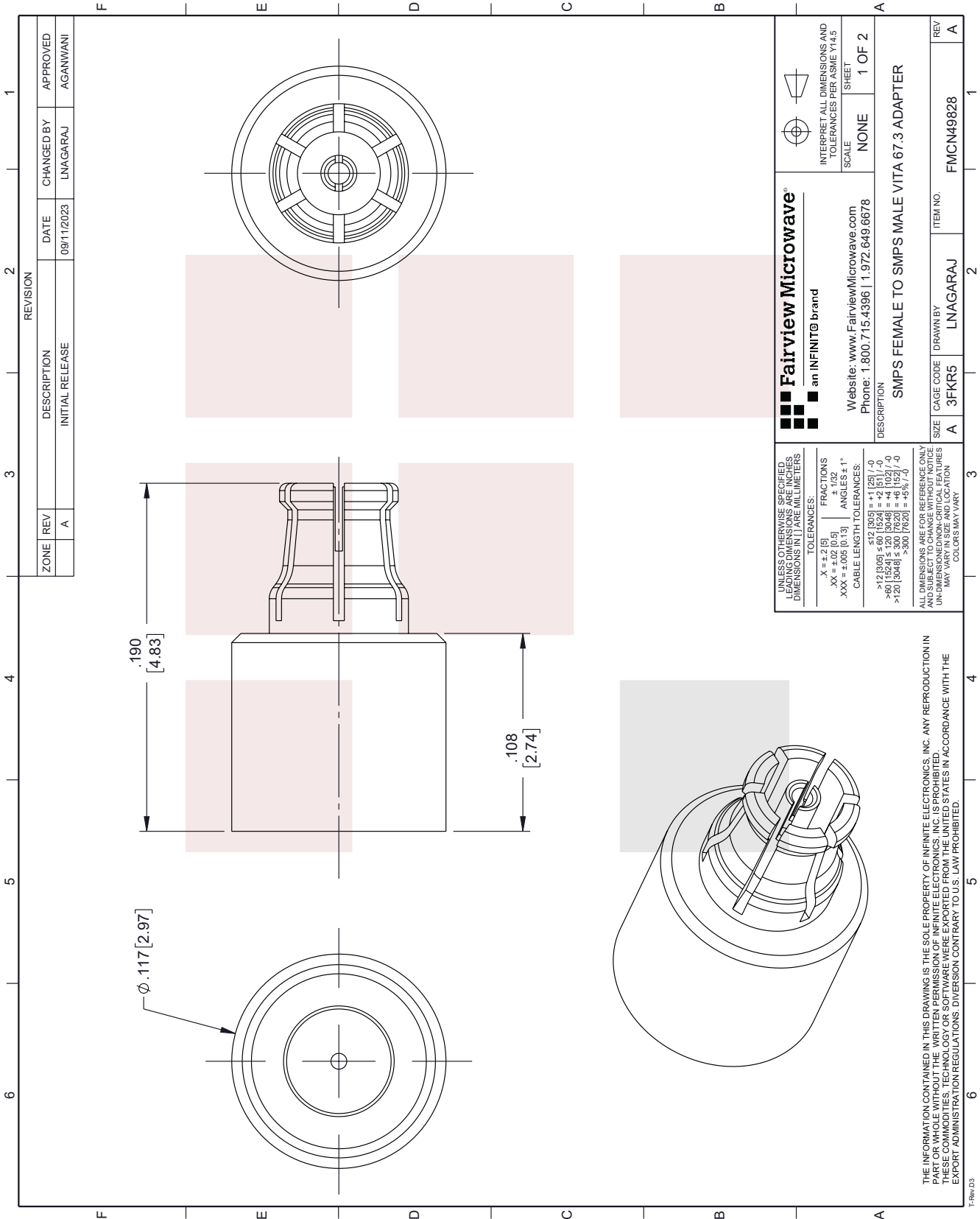
Notes:

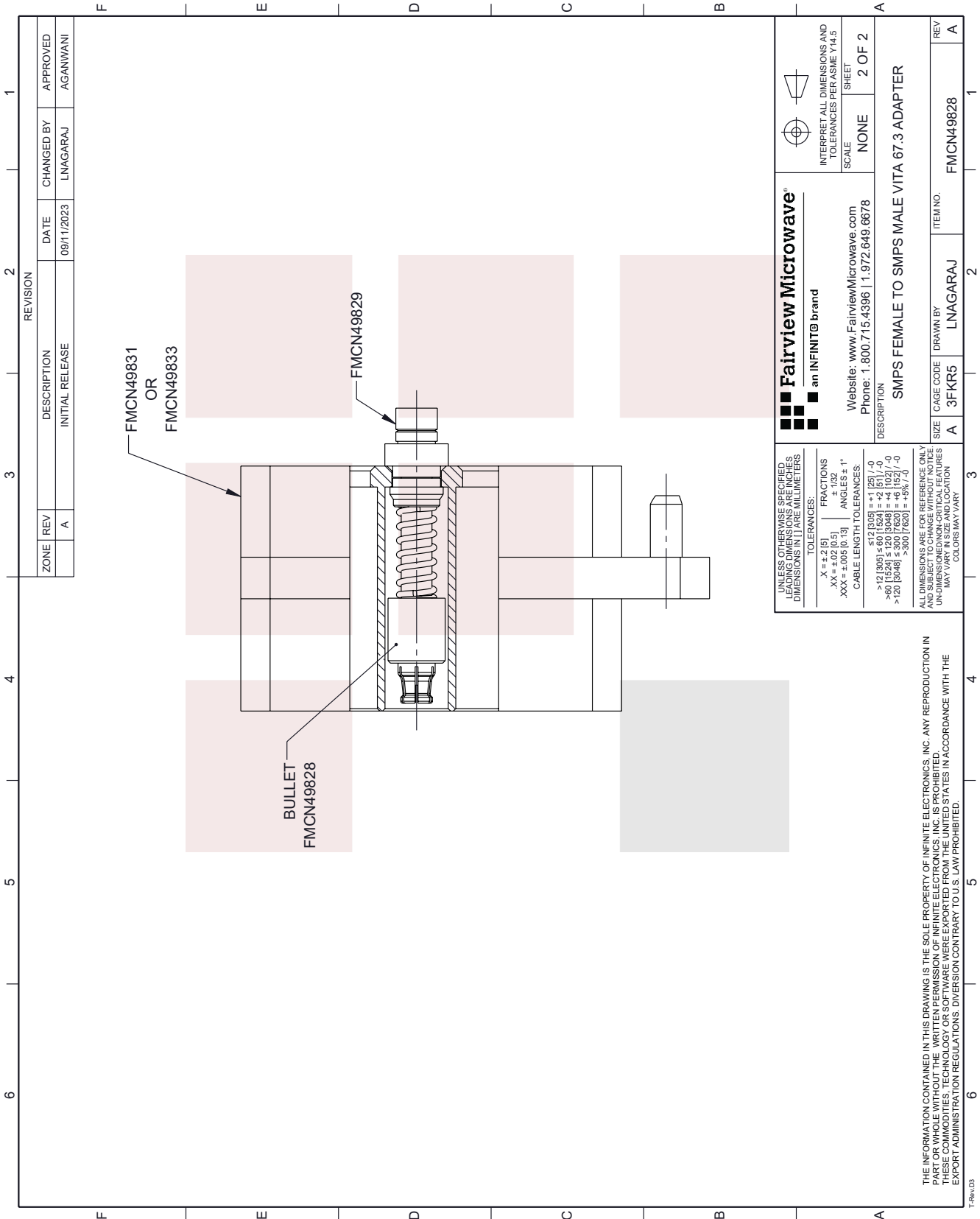
VITA 67.3 SMPS Female to Full Detent SMPS Male Adapter from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [VITA 67.3 SMPS Female to Full Detent SMPS Male Adapter FMCN49828](#)

URL: <https://www.fairviewmicrowave.com/vita-67.3-smps-female-to-full-detent-smps-male-adapter-fmcn49828-p.aspx>

The information contained in 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 any liability arising out of the use of any part or documentation.





REVISION		DATE	CHANGED BY	APPROVED
ZONE	REV	DESCRIPTION	INITIAL	RELEASE
	A			

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	3FKR5	LNAGARAJ	FMCN49828	A

**Fairview Microwave<sup>®</sup>**  
 an INFINIT<sup>®</sup> brand  
 Website: [www.FairviewMicrowave.com](http://www.FairviewMicrowave.com)  
 Phone: 1.800.715.4396 | 1.972.649.6678

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5  
 SCALE: NONE  
 SHEET: 2 OF 2  
 DESCRIPTION: SMPS FEMALE TO SMPS MALE VITA 67.3 ADAPTER

UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES AND DIMENSIONS IN [ ] ARE IN MILLIMETERS.  
 TOLERANCES:  
 .X = ±.2 [5]  
 .XX = ±.02 [0.5]  
 .XXX = ±.005 [0.13]  
 FRACTIONS: ± 1/32  
 ANGLES ± 1°  
 CABLE LENGTH TOLERANCES:  
 ≤ 12 [305] ± .01 [1.524]  
 ≤ 6 [152] ± .01 [1.524]  
 ≤ 30 [762] ± .01 [1.524]  
 ≤ 300 [7620] ± .01 [1.524]  
 > 12 [305] ± .01 [1.524]  
 > 6 [152] ± .01 [1.524]  
 > 30 [762] ± .01 [1.524]  
 > 300 [7620] ± .01 [1.524]

ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE.  
 UN-DIMENSIONED CRITICAL FEATURES MAY VARY.  
 COLORS MAY VARY.

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