Fairview Microwave
RF COMPONENTS ON DEMAND. Done!

FMAD1009
DATA SHEET

SMA Female to SMP Female Adapter

SMA female to SMP female adapter part number FMAD1009 from Fairview Microwave is in-stock and ships same day. This Fairview SMA to SMP adapter has a female to female gender configuration. FMAD1009 SMA female to SMP female adapter operates to 18 GHz. The SMA connector mates mechanically with commercially available 3.5mm and 2.92mm (K) connectors. 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 connnector 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.



Configuration:

- SMA Female Connector 1
- SMP Female Connector 2
- 50 Ohms
- Straight Body Geometry

Features:

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

Applications:

- Enables Between Series Connections
- General Purpose Test

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		18	GHz
VSWR			1.3:1	
Operating Voltage (AC)			335	Vrms
DWV (AC)			500	Vrms

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

Mechanical Specifications

Size

Length	0.67 in [17.02 mm]
Width	0.28 in [7.11 mm]
Weight	0.01 lbs [4.54 g]

Description	Connector 1	Connector 2
Type	SMA Female	SMP Female
Polarity	Standard	Standard

Material Specifications

Description	Connector 1	Connector 2
Type	SMA Female	SMP Female
Contact Material	Beryllium Copper	Beryllium Copper
Contact Plating	Gold	Gold
Contact Plating Spec.	1.3 µm minimum	1.3 µm minimum
Insulation Material	PTFE	PTFE
Outer Contact Material	Passivated Stainless Steel	Beryllium Copper
Outer Contact Plating		Gold

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Environmental Specifications

Temperature

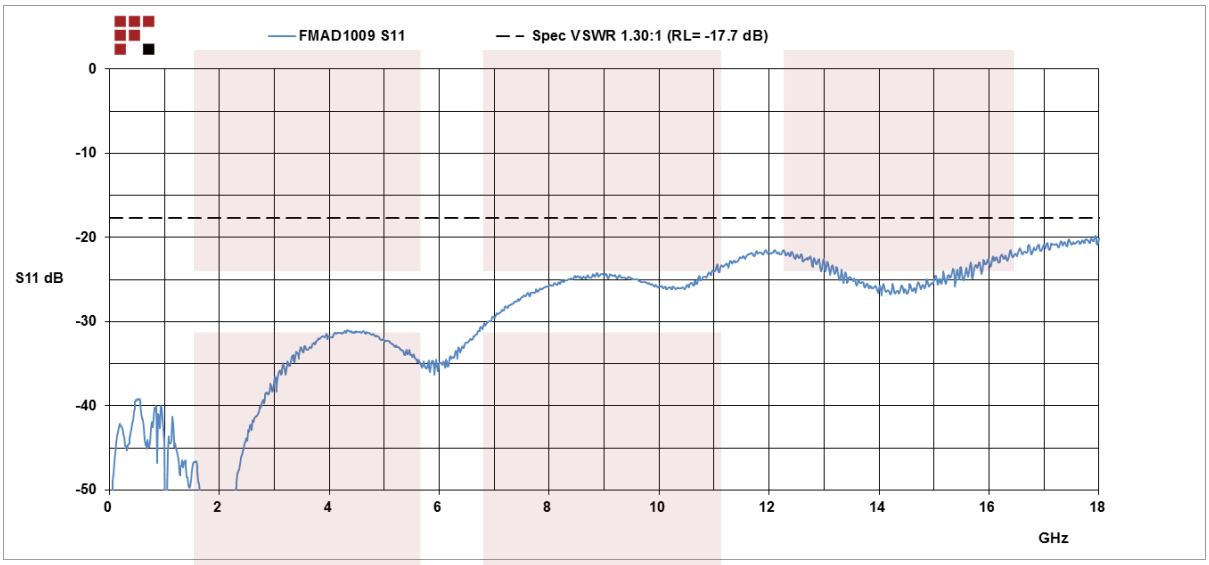
Operating Range	-45 to +120 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Typical Performance Data

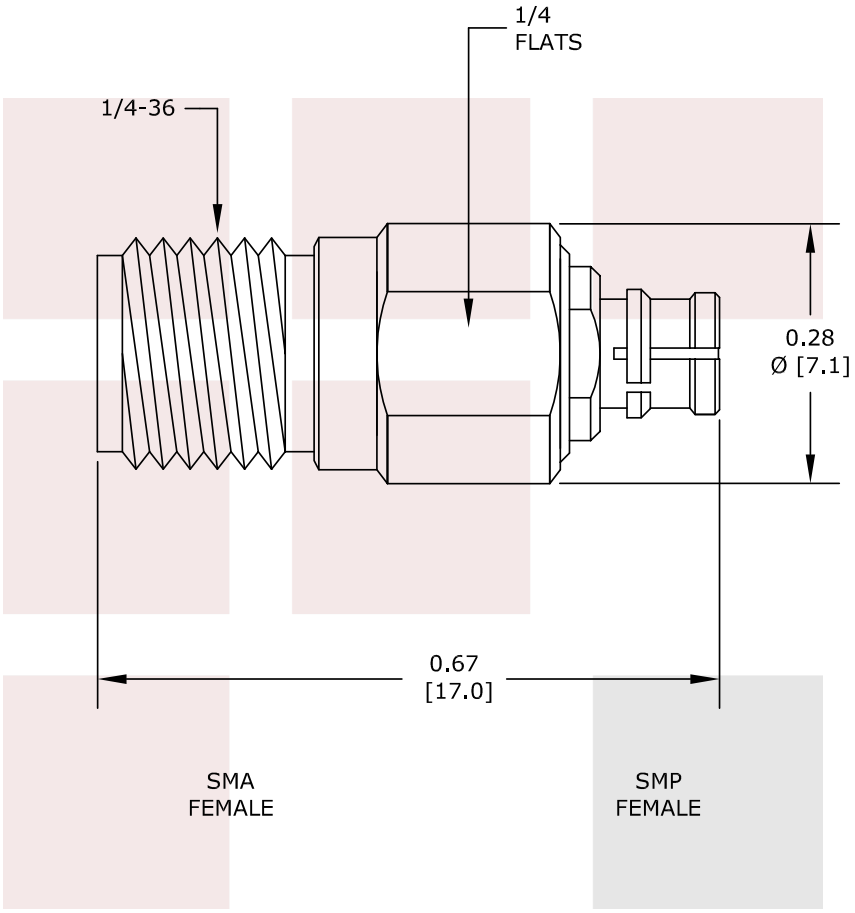


SMA Female to SMP Female Adapter from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: SMA Female to SMP Female Adapter FMAD1009

URL: https://www.fairviewmicrowave.com/sma-female-smp-female-adapter-fmad1009-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.



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TITLE SMA Female to SMP Female Adapter	DWG NO FMAD1009		CAGE CODE 3FKR5		
	CAD FILE 100614	SHEET	SCALE N/A	SIZE A	150

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Fairview Microwave:

SM4208 SM4228 SM4232 SM4947 SM4953 FMCN1351 SC4821 SM4961 FMAD1206 FMAD1608 FMCN1365 SM3310 SM3010 SM4940 SM4985 SM5723 SM3415 SM4965 SC5504 FMAD1116 SA18E-30 SM3130 SM4968 ST-SMA9 FMCN1589 SA18H-10 SM3416 FMAD1026 FMAD1218 FMC0222085-12