

## SMP Female to SMP Female Adapter

SMP female to SMP female adapter part number SM2609 from Fairview Microwave is in-stock and ships same day. This Fairview SMP to SMP adapter has a female to female gender configuration. SM2609 SMP female to SMP female adapter operates to 40 GHz. The Fairview Microwave RF adapter provides good VSWR of 1.4:1 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	Min	Typ	Max	Units
Frequency Range	DC		40	GHz
VSWR			1.4:1	
Operating Voltage (AC)			335	Vrms

### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 26.5	26.5 to 40				GHz
VSWR, Max	1.25:1	1.4:1				

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

### Mechanical Specifications

<b>Size</b>	
Length	0.254 in [6.45 mm]
Weight	0.006 lbs [2.72 g]

Description	Connector 1	Connector 2
Type	SMP Female	SMP Female
Polarity	Standard	Standard
Interface Specification	MIL-STD-348A	MIL-STD-348A



### Configuration:

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

### Features:

- VSWR of 1.4:1 max up to 40 GHz
- SMP interface meets MIL-STD-348A
- 30 μin minimum contact plating
- Gold Plated Beryllium Copper Contact

### Applications:

- General Purpose Test

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**Material Specifications**

Description	Connector 1	Connector 2
Type	SMP Female	SMP Female
Contact Material	Beryllium Copper	Beryllium Copper
Contact Plating	Gold	Gold
Contact Plating Spec.	30 µin minimum	30 µin minimum
Insulation Material	PTFE	PTFE
Outer Contact Material	Beryllium Copper	Beryllium Copper
Outer Contact Plating	Gold	Gold
Outer Contact Plating Spec.	3 µin minimum	3 µin minimum

**Environmental Specifications**

**Temperature**

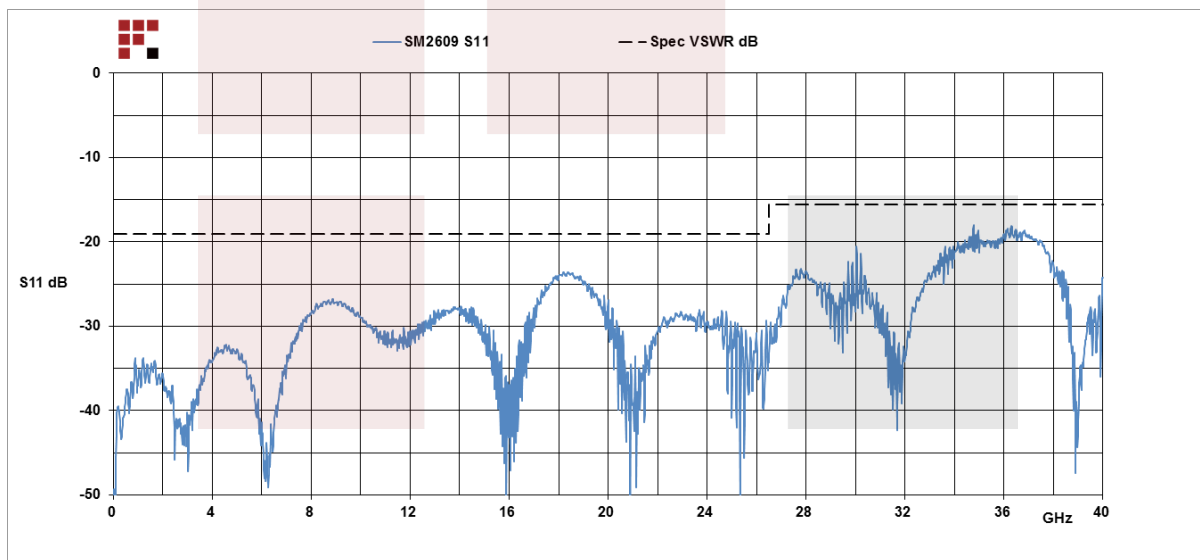
Operating Range -65 to +165 deg C

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

**Plotted and Other Data**

Notes:

**Typical Performance Data**

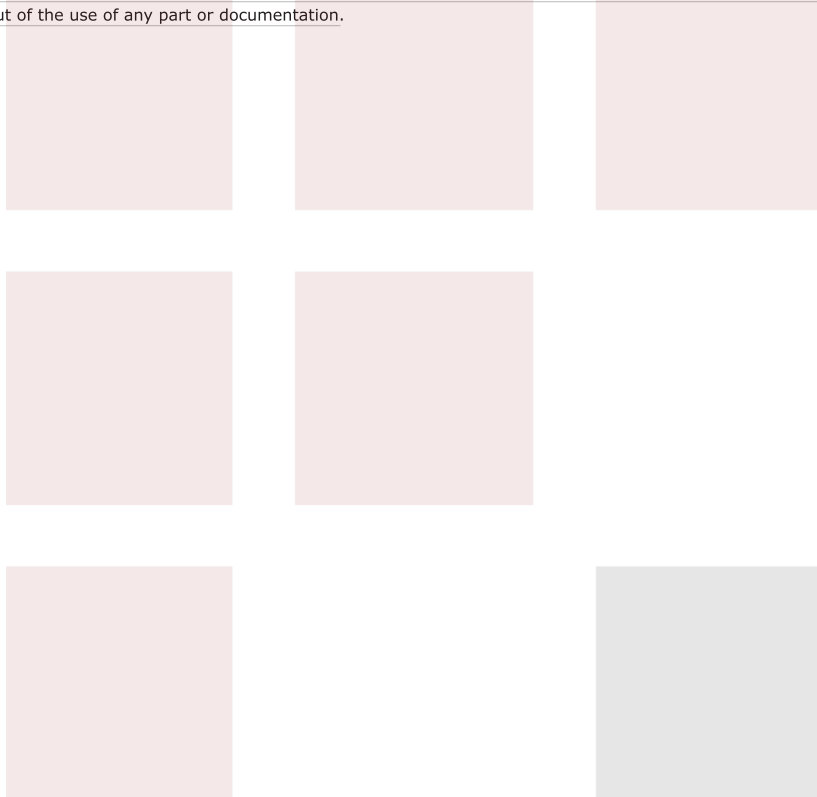


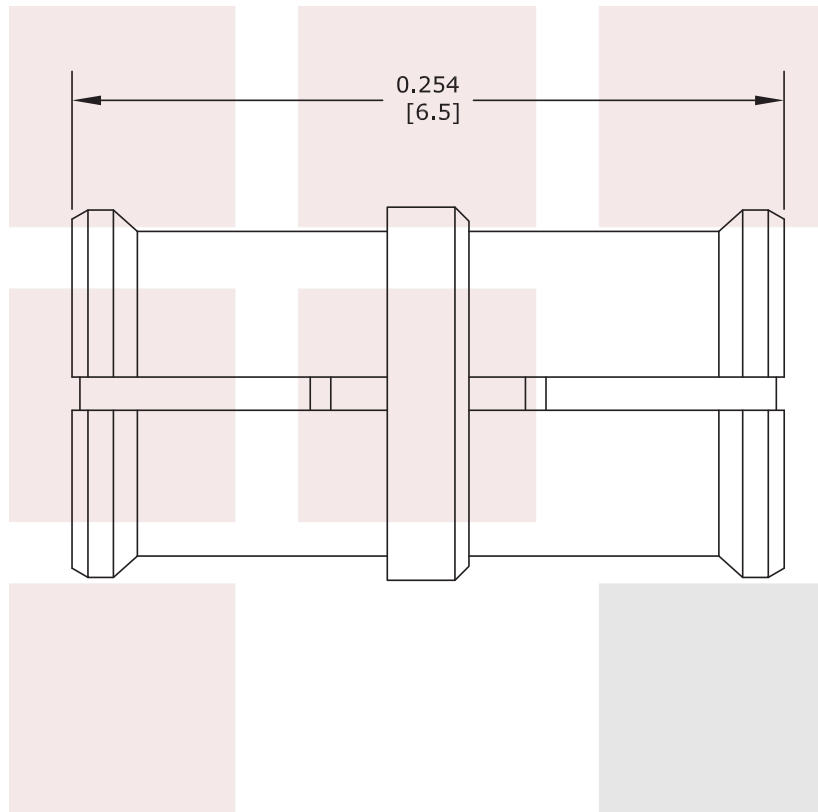
SMP Female to SMP Female Adapter from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [SMP Female to SMP Female Adapter SM2609](#)

URL: <https://www.fairviewmicrowave.com/smp-female-smp-female-adapter-sm2609-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.





<b>FAIRVIEW MICROWAVE INC.</b> ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM		NOTES: 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES [mm].			
TITLE SMP Female to SMP Female Adapter		DWG NO SM2609		CAGE CODE 3FKR5	
CAD FILE	111215	SHEET	SCALE	N/A	SIZE A 150