

SMA Female to SMP Female Adapter

SMA female to SMP female adapter part number SM8803 from Fairview Microwave is in-stock and ships same day. This Fairview SMA to SMP adapter has a female to female gender configuration. SM8803 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 excellent VSWR of 1.25:1 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		18	GHz
VSWR			1.25:1	

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 8	8 to 18				GHz
VSWR, Max	1.15:1	1.25:1				

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

Mechanical Specifications

Size
 Length 0.669 in [16.99 mm]
 Weight 0.00441 lbs [2 g]

Description	Connector 1	Connector 2
Type	SMA Female	SMP Female
Polarity	Standard	Standard
Mating Cycles	500	



Configuration:

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

Features:

- VSWR of 1.25:1 max up to 18 GHz
- 50 µin minimum contact plating
- Gold over Nickel Plated Beryllium Copper Contact

Applications:

- Enables Between Series Connections
- General Purpose Test

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Material Specifications

Description	Connector 1	Connector 2
Type	SMA Female	SMP Female
Contact Material	Beryllium Copper	Beryllium Copper
Contact Plating	Gold over Nickel	Gold over Nickel
Contact Plating Spec.	50 µin minimum	50 µin minimum
Insulation Material	PTFE	PTFE
Outer Contact Material	Passivated Stainless Steel	Beryllium Copper
Outer Contact Plating		Gold over Nickel
Outer Conductor Contact Spec.		50 µin minimum

Environmental Specifications

Temperature

Operating Range

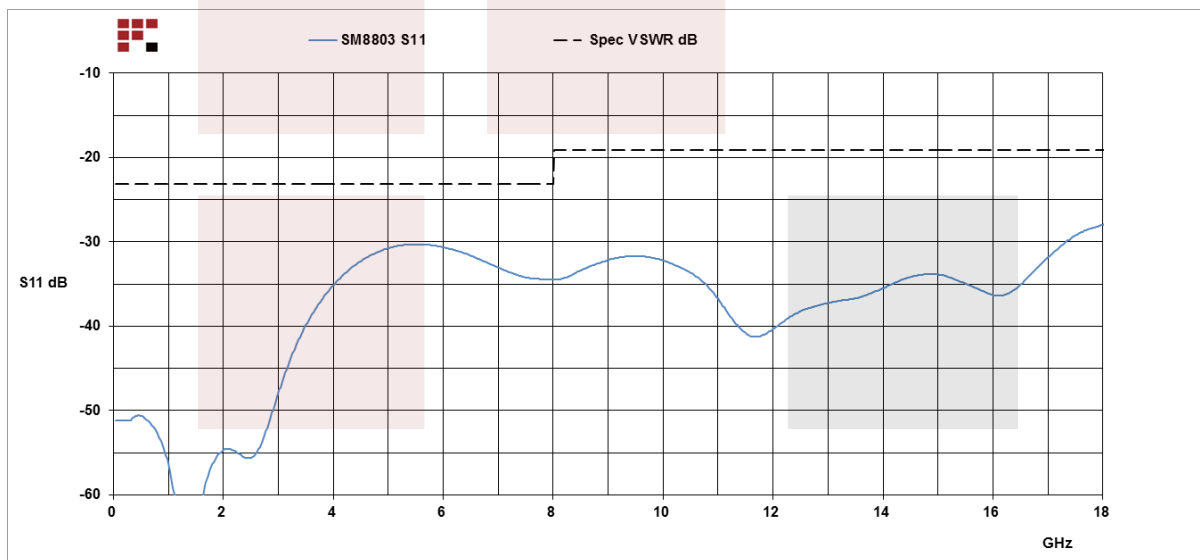
-55 to +125 deg C

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

Plotted and Other Data

Notes:

Typical Performance Data



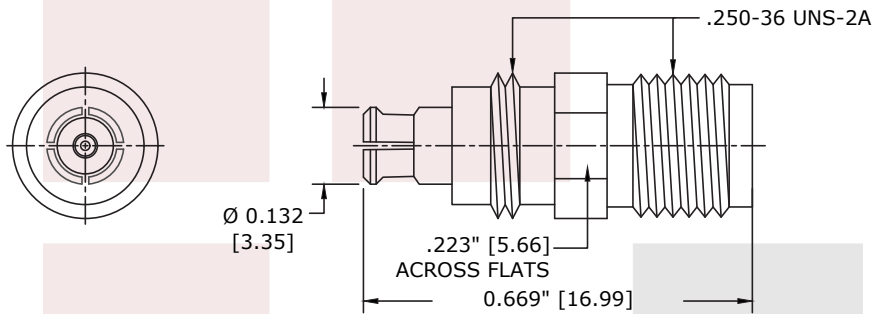
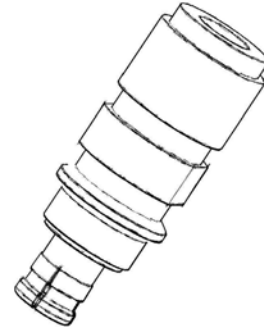
SMA Female to SMP Female Adapter from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [SMA Female to SMP Female Adapter SM8803](#)

URL: <https://www.fairviewmicrowave.com/sma-female-smp-female-adapter-sm8803-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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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

SMA Female to SMP Female Adapter

DWG NO

SM8803

CAGE CODE

3FKR5

CAD FILE 061815

SHEET

SCALE N/A

SIZE A

5568