

SMA Male to SSMC Plug Adapter

SMA male to SSMC plug adapter part number SM2085 from Fairview Microwave is in-stock and ships same day. This Fairview SMA to SSMC adapter has a male to plug gender configuration. SM2085 SMA male to SSMC plug adapter operates to 3 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		3	GHz
VSWR			1.25:1	

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

Mechanical Specifications

Size	
Length	0.812 in [20.62 mm]
Width	0.312 in [7.92 mm]
Weight	0.00661 lbs [3 g]

Description	Connector 1	Connector 2
Type	SMA Male	SSMC Plug
Polarity	Standard	Standard
Interface Specification	MIL-STD-348	MIL-C-39012
Hex Size	5/16 inch	5/16 inch



Configuration:

- SMA Male Connector 1
- SSMC Plug Connector 2
- 50 Ohms
- Straight Body Geometry

Features:

- VSWR of 1.25:1 max up to 3 GHz
- SMA interface meets MIL-STD-348
- SSMC interface meets MIL-C-39012
- Contact plating according to MIL-G-45204
- Gold Plated Brass Contact

Applications:

- Enables Between Series Connections
- General Purpose Test

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Material Specifications

Description	Connector 1	Connector 2
Type	SMA Male	SSMC Plug
Contact Material	Brass	Brass
Contact Plating	Gold	Gold
Contact Plating Spec.	MIL-G-45204	MIL-G-45204
Body Material	Brass	Brass
Body Plating	Nickel	Nickel
Body Plating Spec.	QQ-N-290	QQ-N-290
Coupling Nut Material	Brass	Brass
Coupling Nut Plating	Nickel	Nickel
Coupling Nut Plating Spec.	QQ-N-290	QQ-N-290

Environmental Specifications

Temperature

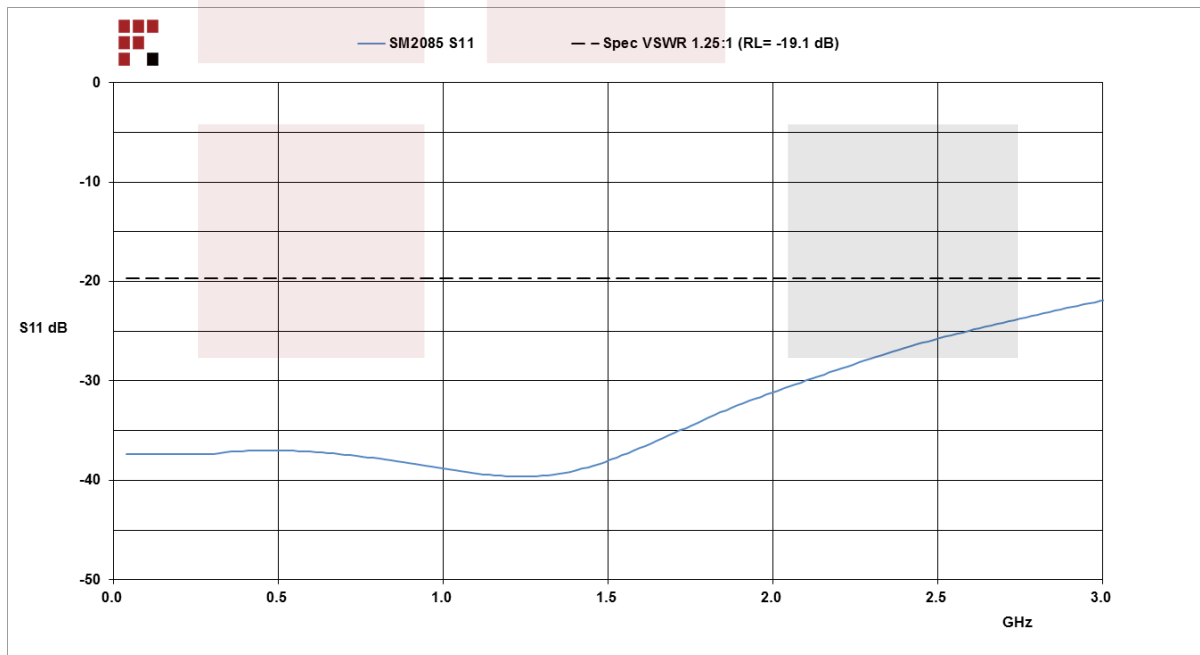
Operating Range -65 to +165 deg C

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

Plotted and Other Data

Notes:

Typical Performance Data



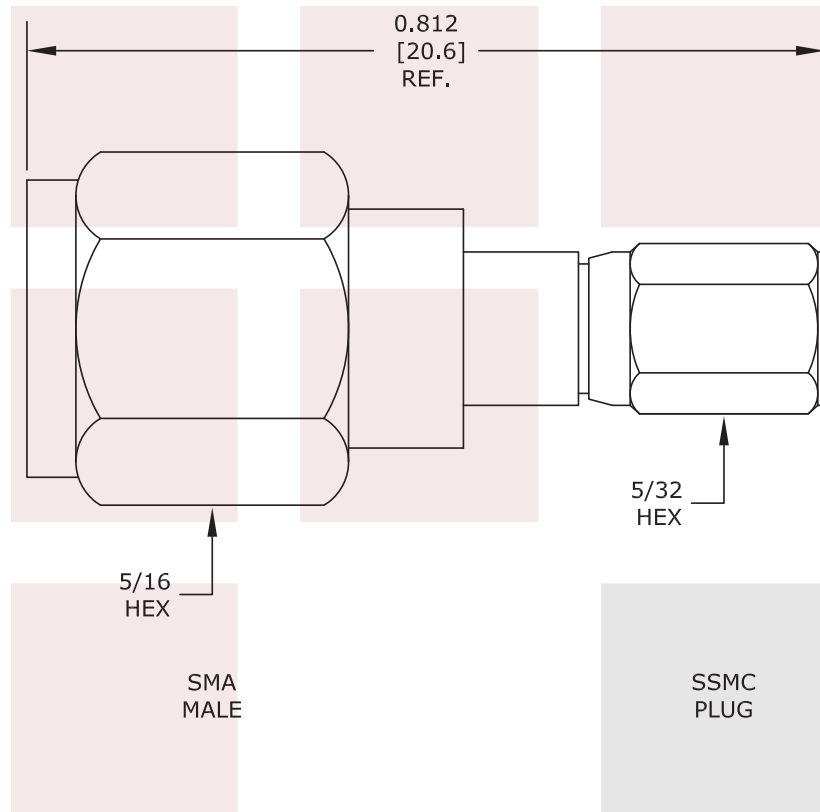
SMA Male to SSMC Plug Adapter from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [SMA Male to SSMC Plug Adapter SM2085](#)

URL: <https://www.fairviewmicrowave.com/sma-male-ssmc-plug-adapter-sm2085-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.





STANDARD TOLERANCES	
.X	±0.2
.XX	±0.1
.XXX	±0.05

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

FAIRVIEW MICROWAVE INC. 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 SMA Male to SSMC Plug Adapter		DWG NO SM2085		CAGE CODE 3FKR5	
CAD FILE	092716	SHEET	SCALE	N/A	SIZE A 2233