

## SMA Male to SMB Jack Adapter

SMA male to SMB jack adapter part number SM2063 from Fairview Microwave is in-stock and ships same day. This Fairview SMA to SMB adapter has a male to jack gender configuration. SM2063 SMA male to SMB jack adapter operates to 4 GHz. The Fairview Microwave RF adapter provides excellent VSWR of 1.2:1 maximum. The SMA connector mates mechanically with commercially available 3.5mm and 2.92mm (K) connectors.

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		4	GHz
VSWR			1.2:1	

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

### Mechanical Specifications

Size	
Length	0.81 in [20.57 mm]
Weight	0.0075 lbs [3.4 g]

Description	Connector 1	Connector 2
Type	SMA Male	SMB Jack
Polarity	Standard	Standard
Interface Specification	MIL-STD-348	MIL-STD-348



### Configuration:

- SMA Male Connector 1
- SMB Jack Connector 2
- 50 Ohm
- Straight Body Geometry

### Features:

- VSWR of 1.2:1 max up to 4 GHz
- SMA interface meets MIL-STD-348
- SMB interface meets MIL-STD-348
- Contact plating according to MIL-G-45204
- Gold Plated Contact

### Applications:

- Enables Between Series Connections
- General Purpose Test

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**Material Specifications**

Description	Connector 1	Connector 2
Type	SMA Male	SMB Jack
Contact Plating	Gold	Gold
Contact Plating Spec.	MIL-G-45204	MIL-G-45204
Insulation Material	PTFE	PTFE
Outer Contact Material		Brass
Outer Contact Plating		Nickel
Outer Conductor Contact Spec.		QQ-N-290
Body Material	Brass	
Body Plating	Nickel	
Body Plating Spec.	QQ-N-290	
Coupling Nut Material	Brass	
Coupling Nut Plating	Nickel	
Coupling Nut Plating Spec.	QQ-N-290	

**Environmental Specifications**

**Temperature**

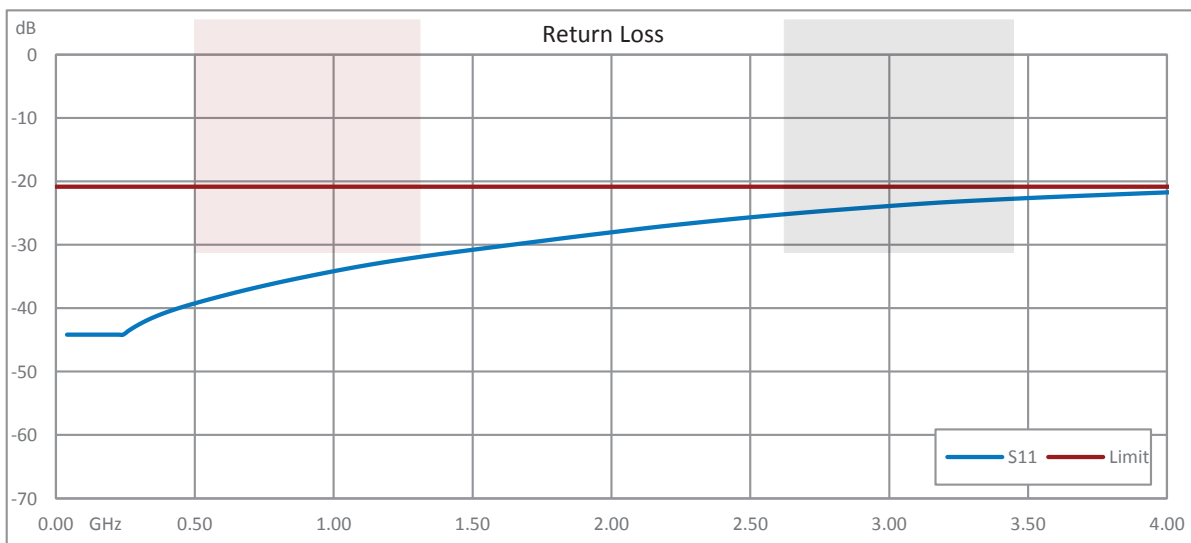
Operating Range -65 to +165 deg C

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

**Plotted and Other Data**

Notes:

**Typical Performance Data**



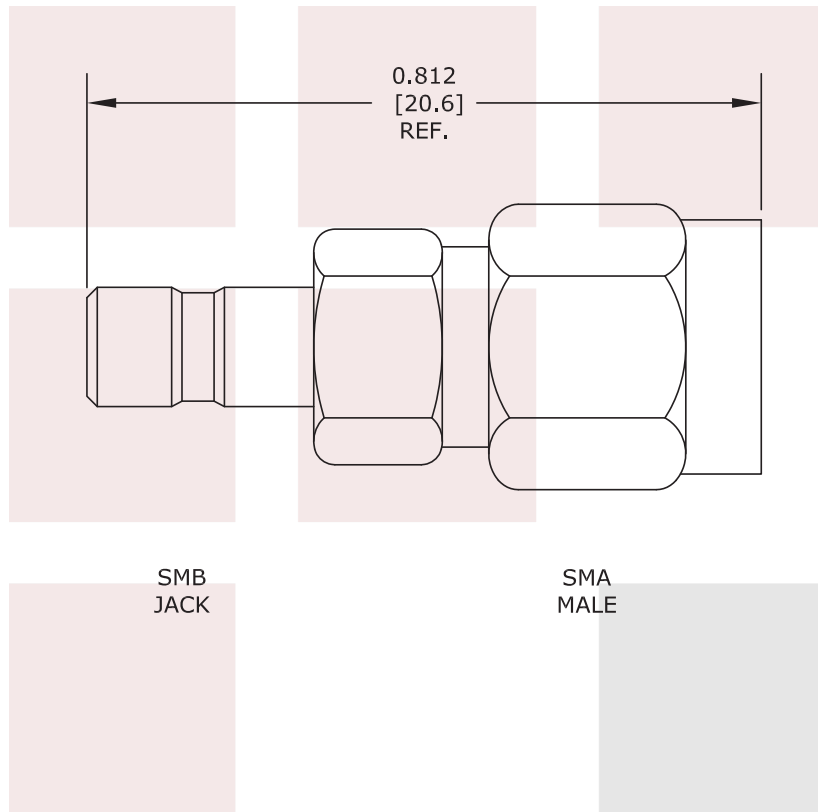
SMA Male to SMB Jack Adapter from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [SMA Male to SMB Jack Adapter SM2063](#)

URL: <https://www.fairviewmicrowave.com/sma-male-smb-jack-adapter-sm2063-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

<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 SMA Male to SMB Jack Adapter		DWG NO SM2063		CAGE CODE 3FKR5	
CAD FILE	093016	SHEET	SCALE	N/A	SIZE A 2233