

## SMA Female to BMA Plug Adapter

SMA female to BMA plug adapter part number SM3297A from Fairview Microwave is in-stock and ships same day. This Fairview SMA to BMA adapter has a female to plug gender configuration. SM3297A SMA female to BMA plug 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 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			1.3:1	

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

### Mechanical Specifications

Size	
Length	0.535 in [13.59 mm]
Width	0.3 in [7.62 mm]
Weight	0.00397 lbs [1.8 g]

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

### Material Specifications

Description	Connector 1	Connector 2
Type	SMA Female	BMA Plug
Contact Material	Beryllium Copper	Beryllium Copper
Contact Plating	Gold over Nickel	Gold over Nickel
Insulation Material	PTFE	PTFE
Outer Contact Material	Passivated Stainless Steel	
Body Material		Passivated Stainless Steel

### Environmental Specifications

Temperature	
Operating Range	-65 to +125 deg C



### Configuration:

- SMA Female Connector 1
- BMA Plug Connector 2
- 50 Ohms
- Straight Body Geometry

### Features:

- VSWR of 1.3:1 max up to 18 GHz
- Gold over Nickel Plated Beryllium Copper Contact

### Applications:

- Enables Between Series Connections
- General Purpose Test

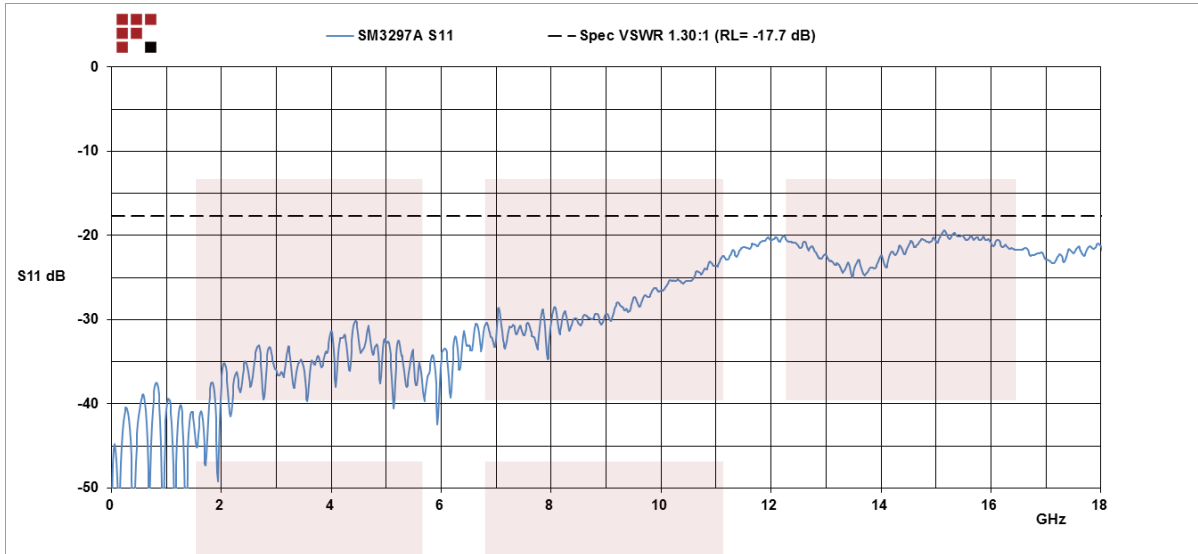
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**Compliance Certifications** (see [product page](#) for current document)

**Plotted and Other Data**

Notes:

**Typical Performance Data**

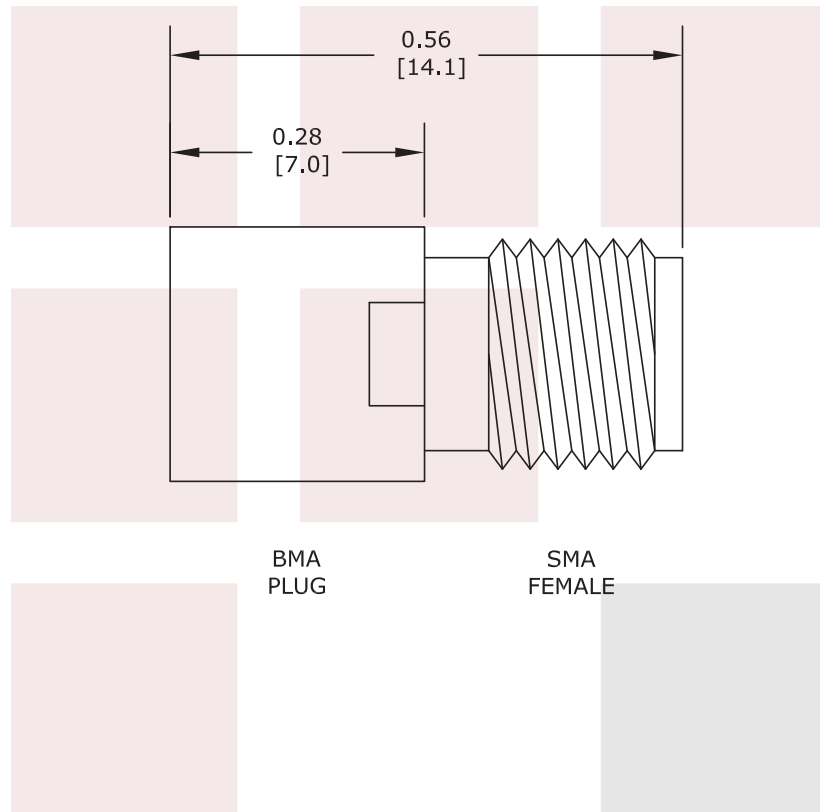


SMA Female to BMA Plug Adapter from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [SMA Female to BMA Plug Adapter SM3297A](#)

URL: <https://www.fairviewmicrowave.com/sma-female-bma-plug-adapter-sm3297a-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 Female to BMA Plug Adapter		DWG NO SM3297A		CAGE CODE 3FKR5	
CAD FILE	010616	SHEET	SCALE	N/A	SIZE A 150