

RA SMA Female to RP SMA Male Adapter

RA SMA female to RP SMA male adapter part number SM4997 from Fairview Microwave is in-stock and ships same day. This Fairview SMA to reverse polarity SMA adapter has a female to male gender configuration. SM4997 SMA female to reverse polarity SMA male adapter operates to 6 GHz. The SMA connector mates mechanically with commercially available 3.5mm and 2.92mm (K) connectors. This low profile right angle SMA adapter allows for easier connections in tight spaces. 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		6	GHz
VSWR			1.25:1	

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

Mechanical Specifications

Size	
Length	0.62 in [15.75 mm]
Width	0.583 in [14.81 mm]
Weight	0.01014 lbs [4.6 g]

Description	Connector 1	Connector 2
Type	SMA Female	SMA Male
Polarity	Standard	Reverse Polarity
Interface Specification	MIL-STD-348	MIL-STD-348
Mating Cycles	500	500



Configuration:

- SMA Female Connector 1
- SMA Male Reverse Polarity Connector 2
- 50 Ohms
- Right Angle Body Geometry

Features:

- VSWR of 1.25:1 max up to 6 GHz
- SMA interface meets MIL-STD-348
- Contact plating according to MIL-G-45204
- Gold Plated Beryllium Copper Contact

Applications:

- General Purpose Test

Fairview Microwave
 1130 Junction Dr. #100
 Allen, TX 75013
 Tel: 1-800-715-4396 / (972) 649-6678
 Fax: (972) 649-6689
www.fairviewmicrowave.com
sales@fairviewmicrowave.com

Material Specifications

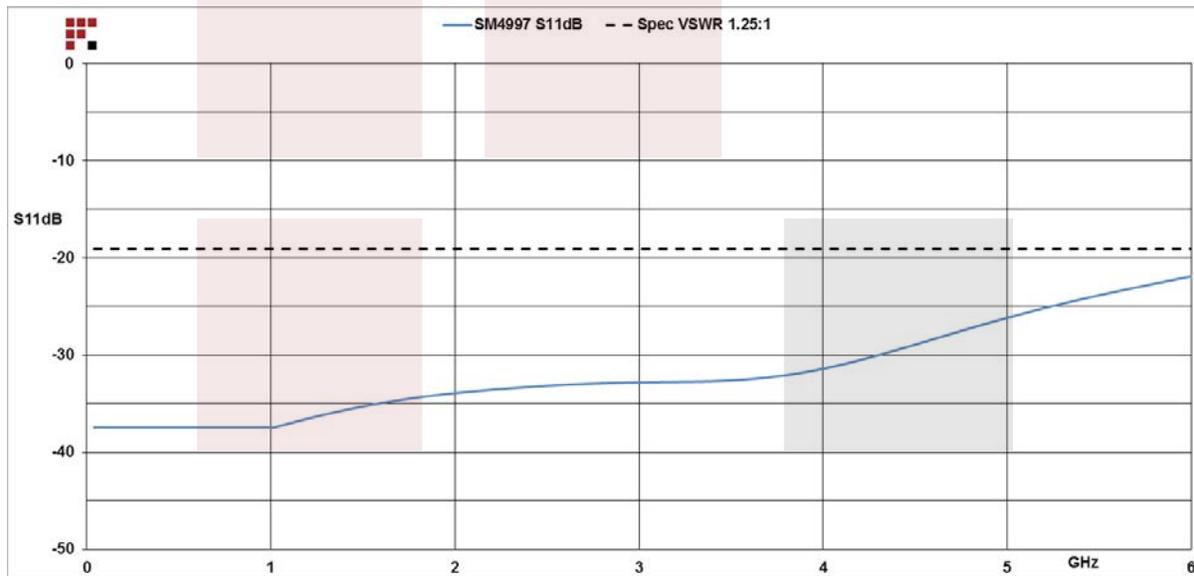
Description	Connector 1	Connector 2
Type	SMA Female	SMA Male
Contact Material	Beryllium Copper	Beryllium Copper
Contact Plating	Gold	Gold
Contact Plating Spec.	MIL-G-45204	MIL-G-45204
Insulation Material	PTFE	PTFE
Outer Contact Material	Brass	
Outer Contact Plating	Nickel	
Outer Contact Plating Spec.	QQ-N-290	
Body Material		Brass
Body Plating		Nickel
Body Plating Spec.		QQ-N-290

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

Plotted and Other Data

Notes:

Typical Performance Data

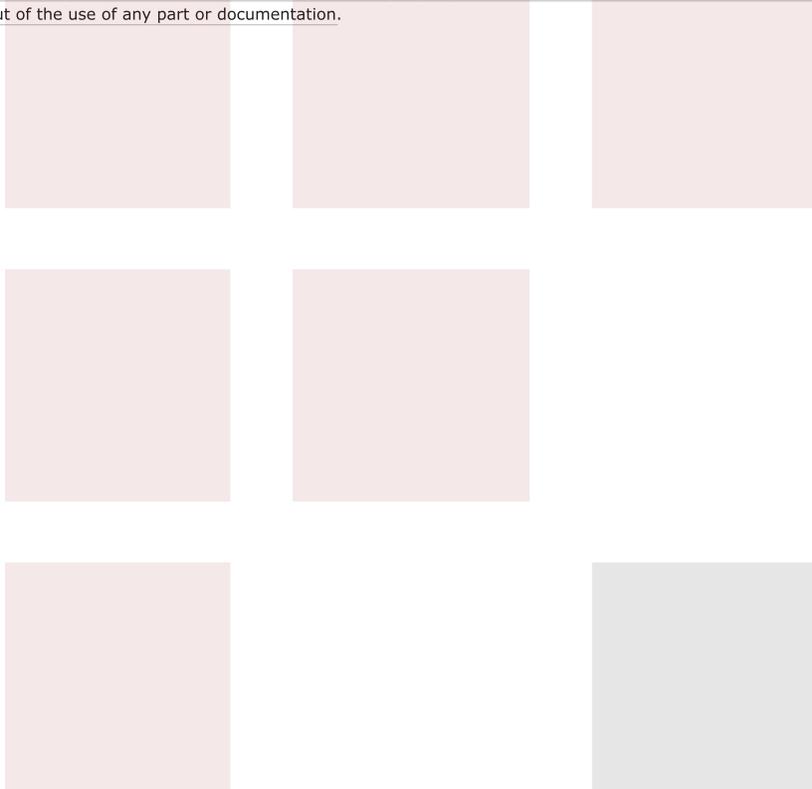


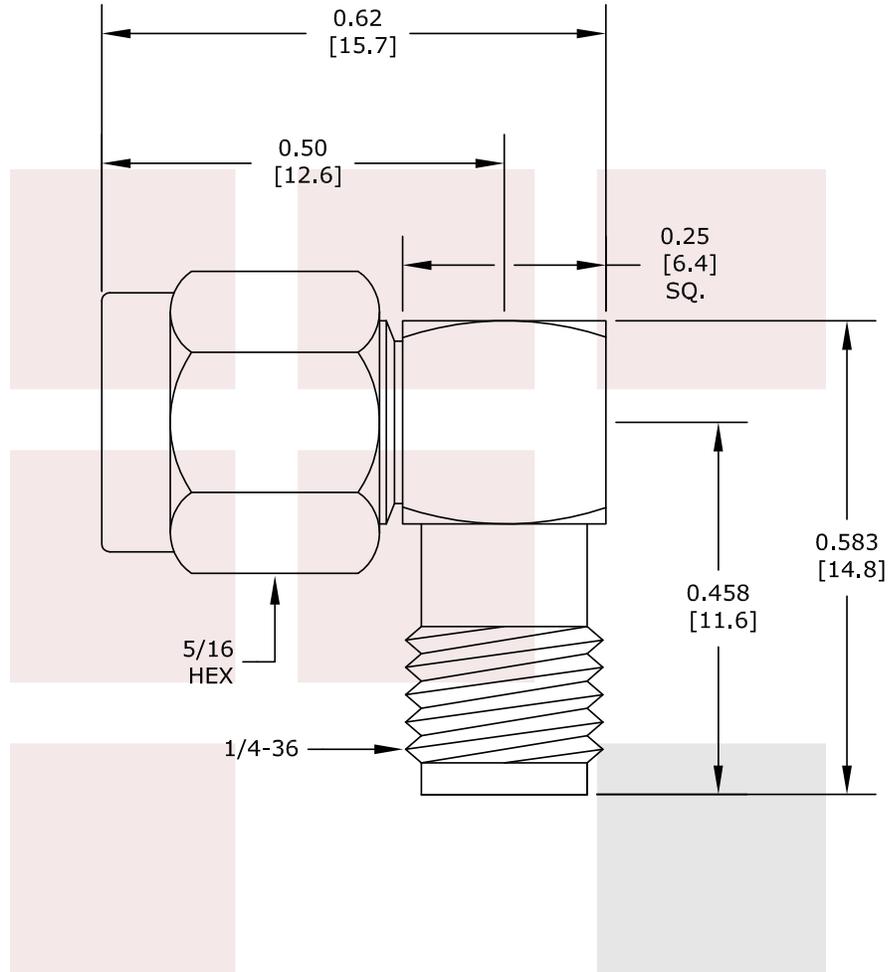
RA SMA Female to RP SMA Male Adapter from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [RA SMA Female to RP SMA Male Adapter SM4997](#)

URL: <https://www.fairviewmicrowave.com/ra-sma-female-rp-sma-male-adapter-sm4997-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.





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 RA SMA Female to RP SMA Male Adapter		DWG NO SM4997		CAGE CODE 3FKR5	
CAD FILE	112414	SHEET	SCALE	N/A	SIZE A 150