

## SMA Female to RP SMA Male Adapter

SMA female to RP SMA male adapter part number SM4973 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. SM4973 SMA female to reverse polarity SMA male 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	
Insulation Resistance	5,000			MOhms

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

### Mechanical Specifications

Size	
Length	0.72 in [18.29 mm]
Width	0.312 in [7.92 mm]
Weight	0.0115 lbs [5.22 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
Hex Size		5/16 inch
Mating Torque		8 to 10 in-lbs [0.90 to 1.13 Nm]



### Configuration:

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

### Features:

- VSWR of 1.25:1 max up to 18 GHz
- SMA interface meets MIL-STD-348
- Contact plating according to MIL-G-45204
- Gold Plated Beryllium Copper Contact

### Applications:

- General Purpose Test

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**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
Outer Contact Material	Passivated Stainless Steel	
Body Material		Passivated Stainless Steel

**Environmental Specifications**

**Temperature**

Operating Range

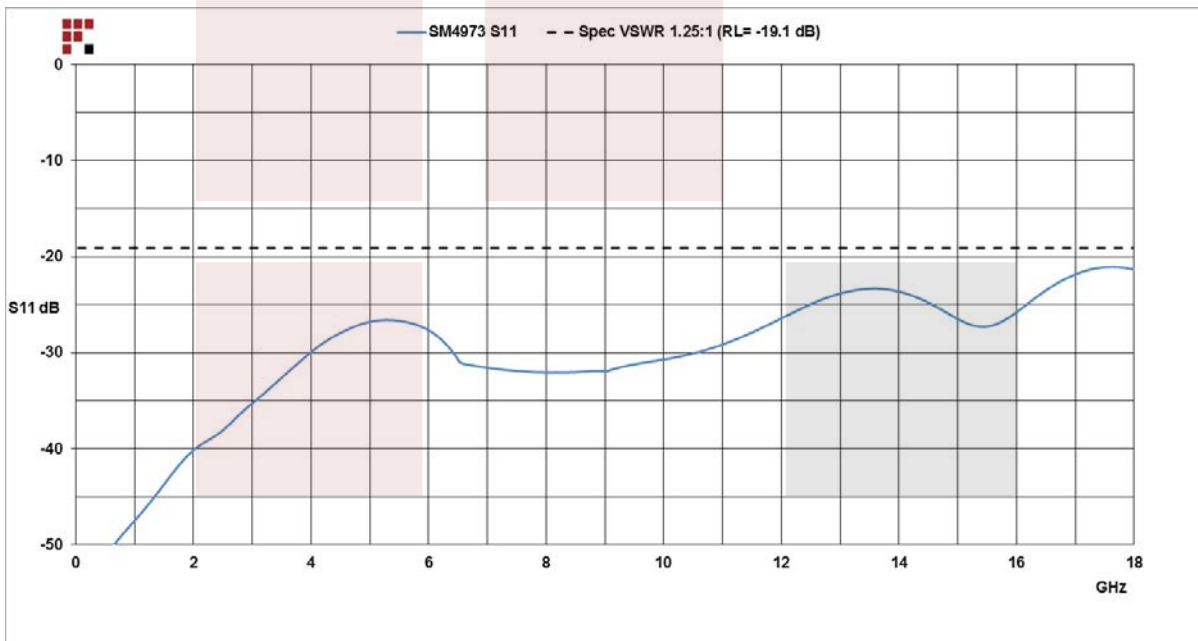
-65 to +165 deg C

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

**Plotted and Other Data**

Notes:

**Typical Performance Data**



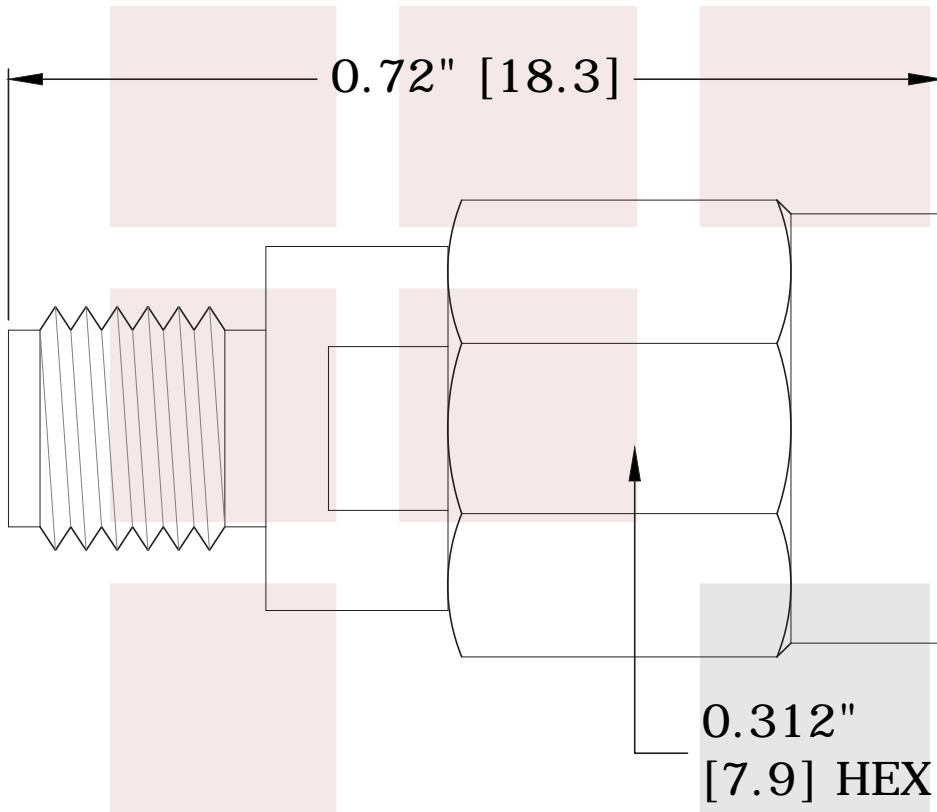
SMA Female to RP SMA Male Adapter from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [SMA Female to RP SMA Male Adapter SM4973](#)

URL: <https://www.fairviewmicrowave.com/sma-female-rp-sma-male-adapter-sm4973-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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TITLE SMA Female to RP SMA Male Adapter		DWG NO <b>SM4973</b>		CAGE CODE <b>3FKR5</b>	
CAD FILE	101915	SHEET	SCALE	N/A	SIZE A 5568