

SMA Male to RP SMA Male Adapter

SMA male to RP SMA male adapter part number SM4902 from Fairview Microwave is in-stock and ships same day. This Fairview SMA to reverse polarity SMA adapter has a male to male gender configuration and is built of durable stainless steel. SM4902 SMA male to reverse polarity SMA male adapter operates to 18 GHz. The Fairview Microwave RF adapter provides good VSWR of 1.7:1 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		18	GHz
VSWR			1.7:1	
Operating Voltage (AC)			335	Vrms
DWV (AC)			1,500	Vrms
Insulation Resistance	5,000			MOhms

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 13	13 to 18				GHz
VSWR, Max	1.2:1	1.7:1				

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

Mechanical Specifications

Size

Length	0.87 in [22.1 mm]
Width	0.312 in [7.92 mm]
Weight	0.0146 lbs [6.62 g]

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



Configuration:

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

Features:

- VSWR of 1.7:1 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 Male	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
Body Material	Passivated Stainless Steel	Passivated Stainless Steel
Body Plating Spec.	QQ-P-35	QQ-P-35
Coupling Nut Material	Passivated Stainless Steel	Passivated Stainless Steel
Coupling Nut Plating Spec.	QQ-P-35	QQ-P-35

Environmental Specifications

Temperature

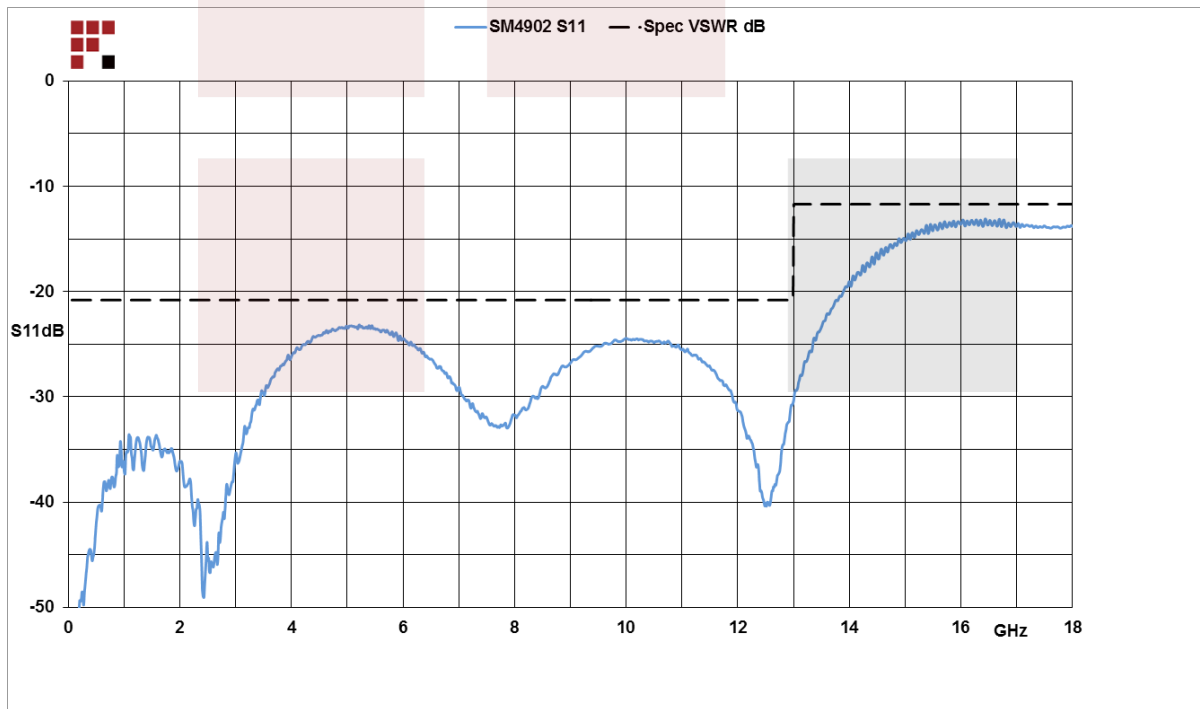
Operating Range -65 to +165 deg C

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

Plotted and Other Data

Notes:

Typical Performance Data



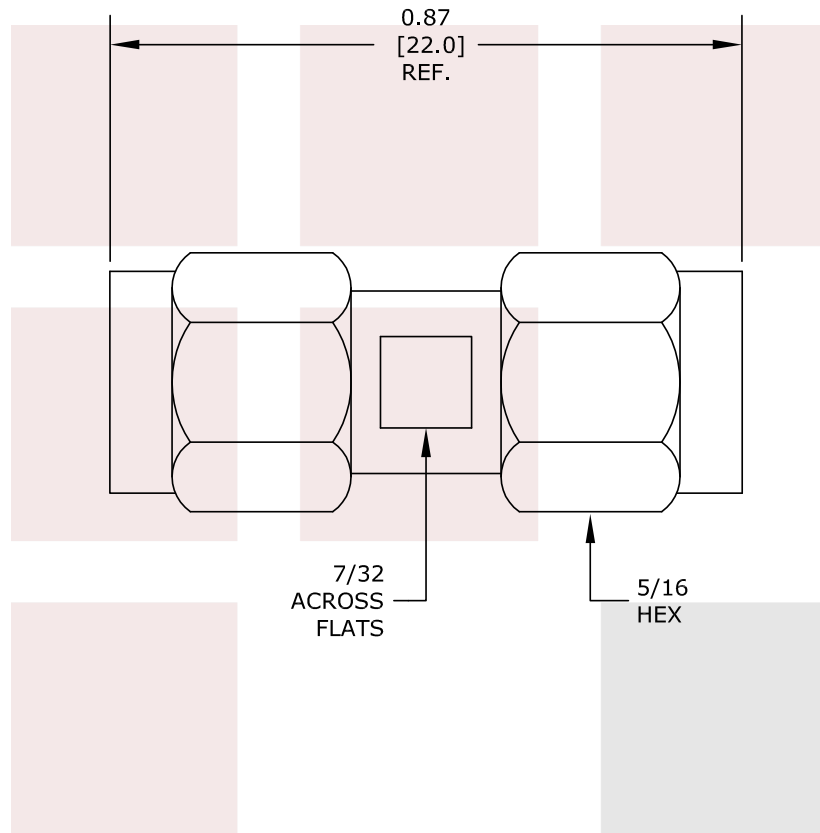
SMA Male to RP SMA Male Adapter from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [SMA Male to RP SMA Male Adapter SM4902](#)

URL: <https://www.fairviewmicrowave.com/sma-male-rp-sma-male-adapter-sm4902-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 Male to RP SMA Male Adapter		DWG NO SM4902		CAGE CODE 3FKR5	
CAD FILE	112414	SHEET	SCALE	N/A	SIZE A 150