

4 Hole Flange RP SMA Female (Jack) to RP SMA Female (Jack) Adapter, High Temp, 1.35 VSWR



SM4990

Configuration

- SMA Female Reverse Polarity Connector 1
- SMA Female Reverse Polarity Connector 2
- 50 Ohms Impedance
- Straight Body Geometry
- 4 Hole Flange Mount Method

Features

- VSWR of 1.35:1 max up to 18 GHz
- SMA interface meets MIL-STD-348
- Epoxy captivation
- Contact plating according to MIL-G-45204
- Gold Plated Beryllium Copper Contact

Applications

- General Purpose Test
- Rack Mounted Equipment

Description

4 hole flange RP SMA female to RP SMA female adapter part number SM4990 from Fairview Microwave is in-stock and ships same day. This Fairview reverse polarity SMA to reverse polarity SMA adapter has a female to female gender configuration and is built of durable stainless steel. SM4990 reverse polarity SMA female to reverse polarity SMA female adapter operates to 18 GHz. The Fairview Microwave RF adapter provides good VSWR of 1.35:1 maximum. Our RF SMA 4 hole flange to SMA adapter allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

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	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
Impedance		50		Ohms
VSWR			1.35:1	
Operating Voltage (AC)			335	Vrms
Dielectric Withstanding Voltage (AC)			1,500	Vrms
Insulation Resistance	5,000			MOhms

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

Mechanical Specifications

Size

Length	0.88 in [22.23 mm]
Width	0.50 in [12.70 mm]
Height	0.50 in [12.70 mm]
Weight	0.01 lbs [5.90 g]

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Description	Connector 1	Connector 2
Polarity	Reverse Polarity	Reverse Polarity
Interface Specification	MIL-STD-348	MIL-STD-348
Contact Captivation Method	Epoxy	Epoxy

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	SMA Female Reverse Polarity		SMA Female Reverse Polarity	
Contact	Beryllium Copper	Gold MIL-G-45204	Beryllium Copper	Gold MIL-G-45204
Insulation	PTFE		PTFE	
Outer Conductor	Passivated Stainless Steel	QQ-P-35	Passivated Stainless Steel	QQ-P-35
Body	Passivated Stainless Steel	QQ-P-35	Passivated Stainless Steel	QQ-P-35

Environmental Specifications

Temperature Operating Range	-65 to +165 °C
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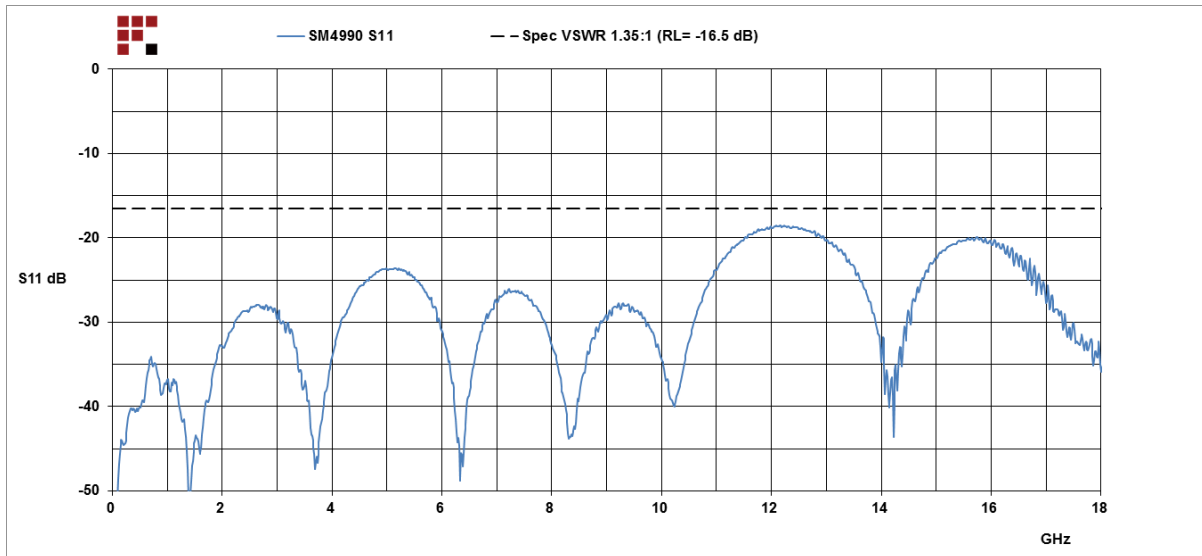


SM4990

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

Plotted and Other Data

Typical Performance Data



4 Hole Flange RP SMA Female (Jack) to RP SMA Female (Jack) Adapter, High Temp, 1.35 VSWR 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 Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [4 Hole Flange RP SMA Female \(Jack\) to RP SMA Female \(Jack\) Adapter, High Temp, 1.35 VSWR SM4990](#)

URL: <https://www.fairviewmicrowave.com/4-hole-flange-rp-sma-female-rp-sma-female-adapter-sm4990-p.aspx>

The information contained within 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 liability arising out of the use of any part or document.

SM4990 CAD Drawing

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