

**SMA Female (Jack) to SMA Female (Jack)  
4 Hole Flange Adapter, Passivated Stainless  
Steel Body, High Temp, 1.25 VSWR**



**SM4959**

**Configuration**

- SMA Female Connector 1
- SMA Female Connector 2
- 50 Ohm
- Straight Body Geometry
- 4 Hole Flange Mount Method

**Features**

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

**Applications**

- General Purpose Test
- Rack Mounted Equipment

**Description**

SMA female to SMA female 4 hole flange adapter part number SM4959 from Fairview Microwave is in-stock and ships same day. This Fairview SMA to SMA adapter has a female to female gender configuration. SM4959 SMA female to SMA female adapter operates to 18 GHz. The SMA connector mates mechanically with commercially available 3.5mm and 2.92mm (K) connectors. Our RF SMA to SMA 4 hole flange 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. 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	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
Impedance		50 Ohm		
VSWR			1.25:1	
Operating Voltage (AC)			335	Vrms
Dielectric Withstanding Voltage (AC)			1,000	Vrms
Insulation Resistance	5,000			MOhms

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

**Mechanical Specifications**

**Size**

- Length 0.88 in [22.35 mm]
- Width 0.50 in [12.70 mm]
- Height 0.00 in [0.00 mm]
- Weight 0.01 lbs [5.67 g]

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Description	Connector 1	Connector 2
Type	SMA Female	SMA Female
Polarity	Standard	Standard
Interface Specification	MIL-STD-348	MIL-STD-348
Contact Captivation Method	Epoxy	Epoxy
Mating Cycles, Min	500	500

**Material Specifications**

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	SMA Female		SMA Female	
Contact	Beryllium Copper	Gold over Nickel MIL-G-45204	Beryllium Copper	Gold over Nickel MIL-G-45204
Insulation	PTFE		PTFE	
Outer Conductor	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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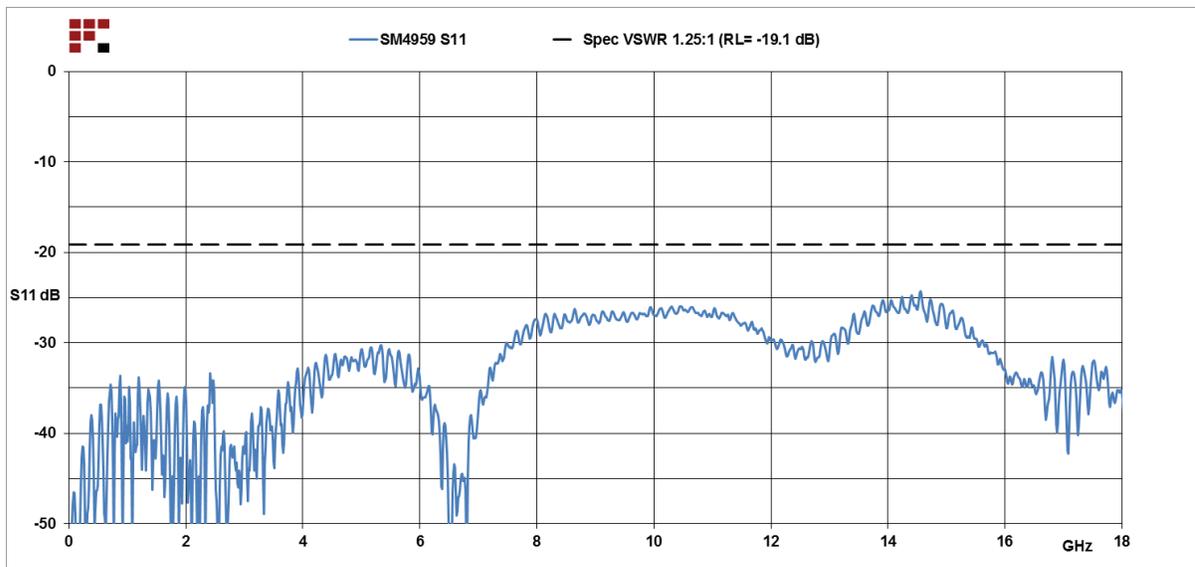


**SM4959**

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

**Plotted and Other Data**

**Typical Performance Data**



SMA Female (Jack) to SMA Female (Jack) 4 Hole Flange Adapter, Passivated Stainless Steel Body, High Temp, 1.25 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: [SMA Female \(Jack\) to SMA Female \(Jack\) 4 Hole Flange Adapter, Passivated Stainless Steel Body, High Temp, 1.25 VSWR SM4959](#)

URL: <https://www.fairviewmicrowave.com/sma-female-sma-female-4-hole-flange-adapter-sm4959-p.aspx>

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# SM4959 CAD Drawing

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