

**SMA Female to SMA Female Rotary Joint**

**Electrical Specifications**

Frequency Range	DC to 18 GHz
Max VSWR	1.4:1
Max Insertion Loss	0.6 dB
Max Peak Power	3 KWatts

**Specifications by Frequency**

Description	F1	F2	F3	F4	F5	Units
Range	DC to 6	6 to 12.4	12.4 to 18			GHz
VSWR	1.15:1	1.3:1	1.4:1			
Rotational Variation	0.01:1	0.02:1	0.03:1			
Insertion Loss	0.3	0.4	0.6			dB
Rotational Variation	0.03	0.05	0.1			dB



**Features:**

- Connector 1: SMA Female
- Impedance 1: 50 Ohms
- Connector 2: SMA Female
- Impedance 2: 50 Ohms
- Adapter Design: Standard
- Body Style: Straight

**Mechanical Specifications**

Typ Speed	100 RPM
<b>Size</b>	
Length	1 in [25.4 mm]
Width	0.56 in [14.22 mm]
Weight	0.02072 lbs [9.4 g]

**Connector 1**

Type	SMA Female
Mating Cycles	500
Inner Conductor Material and Plating	Beryllium Copper
Inner Conductor Plating Specification	ASTM A582
Body Material and Plating	Stainless Steel, Passivated
Body Plating Specification	ASTM A582
Dielectric Type	PTFE

**Connector 2**

Type	SMA Female
Mating Cycles	500
Inner Conductor Material and Plating	Beryllium Copper
Body Material and Plating	Stainless Steel, Passivated
	Stainless Steel
Dielectric Type	PTFE

**Environmental Specifications**

**Compliance Certifications** (visit [www.FairviewMicrowave.com](http://www.FairviewMicrowave.com) for current document)

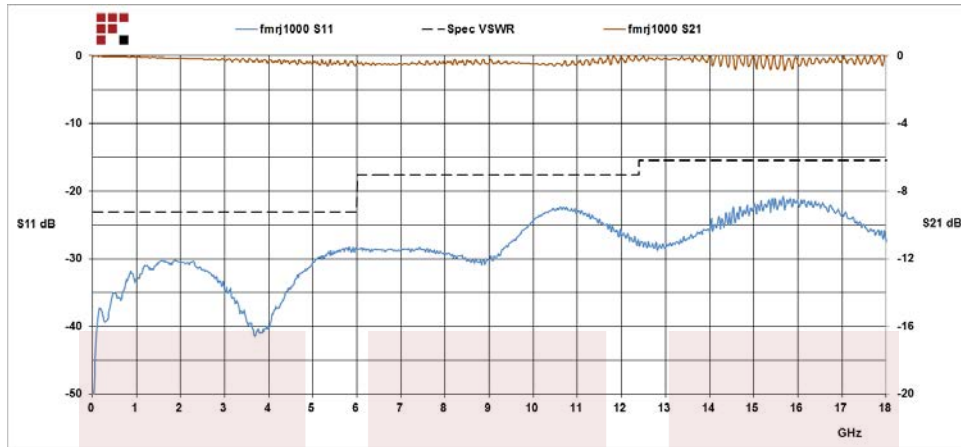
RoHS Compliant	Yes
REACH Compliant	06/16/2014

**Plotted and Other Data**

- Notes:
- Values at 25 °C, sea level

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**Typical Performance Data**

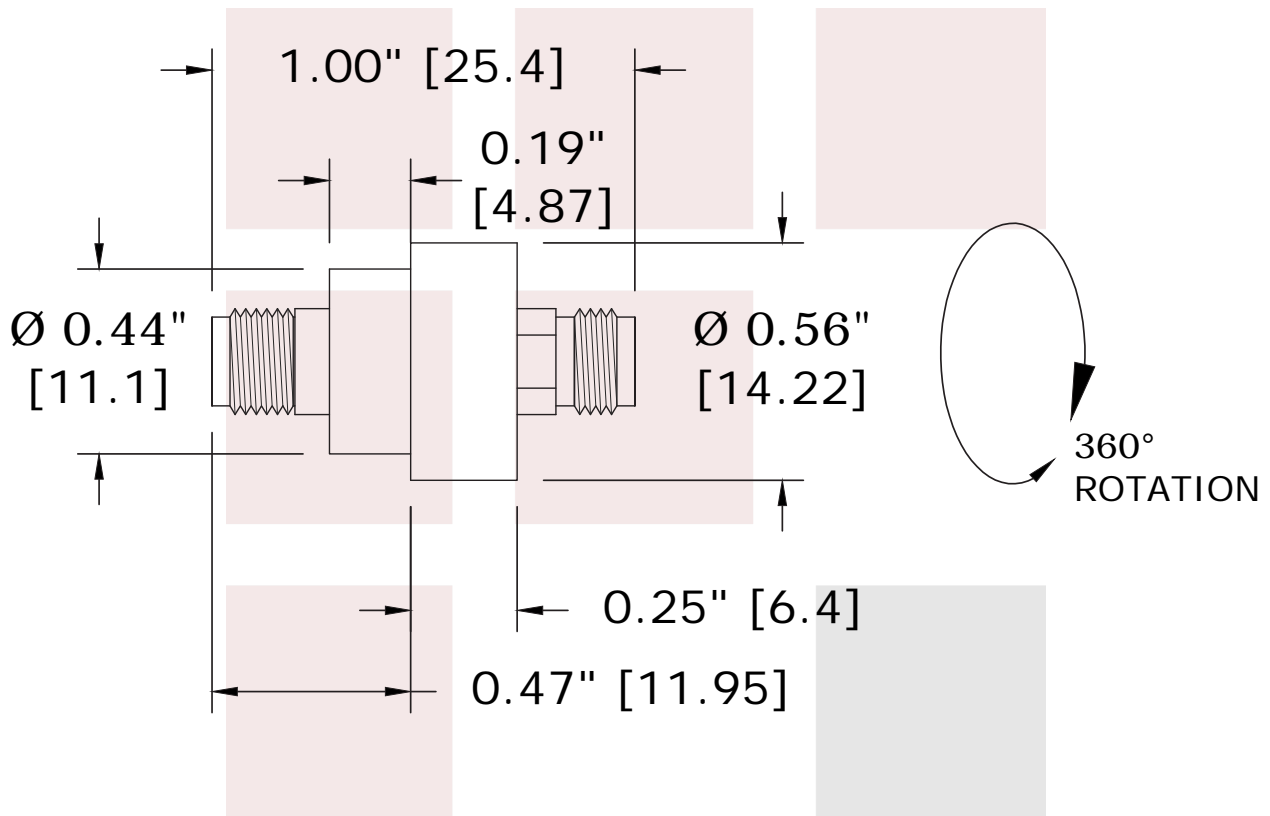


SMA Female to SMA Female Rotary Joint from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [SMA Female to SMA Female Rotary Joint FMRJ1000](#)

URL: <http://www.fairviewmicrowave.com/sma-female-to-sma-female-rotary-joint-fmrj1000-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 SMA Female Rotary Joint		DWG NO FMRJ1000		CAGE CODE 3FKR5	
CAD FILE	011415	SHEET	SCALE	N/A	SIZE A 5568