### Electrical Specifications

- **Frequency Range**: DC to 18 GHz
- **Max VSWR**: 1.4:1
- **Max Input Power**: 30 Watts
- **Max Peak Power**: 3 KWatts

### Specifications by Frequency

<table>
<thead>
<tr>
<th>Description</th>
<th>F1</th>
<th>F2</th>
<th>F3</th>
<th>F4</th>
<th>F5</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Range</strong></td>
<td>DC to 6</td>
<td>6 to 12.4</td>
<td>12.4 to 18</td>
<td></td>
<td></td>
<td>GHz</td>
</tr>
<tr>
<td><strong>VSWR</strong></td>
<td>1.15:1</td>
<td>1.3:1</td>
<td>1.4:1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Insertion Loss</strong></td>
<td>0.3</td>
<td>0.4</td>
<td>0.6</td>
<td></td>
<td></td>
<td>dB</td>
</tr>
<tr>
<td><strong>Power Handling</strong></td>
<td>200</td>
<td>40</td>
<td>30</td>
<td></td>
<td></td>
<td>Watts</td>
</tr>
</tbody>
</table>

### Mechanical Specifications

- **Typ Speed**: 100 RPM
- **Temperature**
  - Operating Range: -40 to +70 deg C
- **Size**
  - Length: 1.37 in [34.8 mm]
  - Width: 1 in [25.4 mm]
  - Weight: 0.061 lbs [27.67 g]

### Connector 1

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

### Connector 2

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

### Environmental Specifications

- **Temperature**
  - Operating Range: -40 to +70 deg C

### Compliance Certifications

(see product page for current document)

### Plotted and Other Data

**Notes:**
- Values at 25 °C, sea level
Typical Performance Data

![Graph](image)

3 Hole Flange 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: [3 Hole Flange SMA Female to SMA Female Rotary Joint FMRJ1002](https://www.fairviewmicrowave.com/3-hole-flange-sma-female-to-sma-female-rotary-joint-fmrj1002-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.
FAIRVIEW MICROWAVE INC.
ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM

<table>
<thead>
<tr>
<th>TITLE</th>
<th>DWG NO</th>
<th>CAGE CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 Hole Flange SMA Female to SMA Female Rotary Joint</td>
<td>FMRJ1002</td>
<td>3FKR5</td>
</tr>
</tbody>
</table>

NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

STANDARD TOLERANCES
.X ±0.2
.XX ±0.01
.XXX ±0.005

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES