CENO's RF rotary joint belongs RCN series. RF rotary joint design adopts the principle of skin effect of high frequency signal and the structure simulation of coaxial cable. To ensure RF rotary joint with the high frequency signal low damage and reliable transmission, CENO uses import high elastic wear-resisting material in the internal key contact point of the RF rotary joint and do special plating in the surface for it. It is a connector device to transmit high frequency signal from the static to rotating part.

**Features**
- Stable performance and high reliability
- Integrated RF rotary joint
- Apply to RF signal and high data speed rate transmission

**Applications**
- Simulation tester
- Antenna system
- Traffic control system

**Optional**
- Gas-liquid rotary joint size
- Circuit number
- Installation way
- Radio frequency range

---

**RCN02-14-04  2 Channel Coaxial Rotary Joint**

**Features**

- Stable performance and high reliability
- Integrated RF rotary joint
- Apply to RF signal and high data speed rate transmission

**Applications**

- Simulation tester
- Antenna system
- Traffic control system

**Optional**

- Gas-liquid rotary joint size
- Circuit number
- Installation way
- Radio frequency range

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**RCN02-14-04 Specification**

<table>
<thead>
<tr>
<th>Channel number</th>
<th>Channel 1</th>
<th>Channel 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency range</td>
<td>14 to 14.5 GHz</td>
<td>DC to 4 GHz</td>
</tr>
<tr>
<td>Interface type</td>
<td>SMA</td>
<td>SMA</td>
</tr>
<tr>
<td>Interface orientation</td>
<td>Style I</td>
<td>Style U</td>
</tr>
<tr>
<td>Insertion loss, max</td>
<td>0.2dB</td>
<td>0.2dB@DC to 2.5 GHz</td>
</tr>
<tr>
<td>Insertion loss, WOW, max</td>
<td>0.05dB</td>
<td>0.05dB@DC to 2.5 GHz</td>
</tr>
<tr>
<td>Rotating speed, max</td>
<td>60rpm</td>
<td>30rpm</td>
</tr>
<tr>
<td>Peak power, max</td>
<td>10KW</td>
<td>1KW</td>
</tr>
<tr>
<td>Working temperature</td>
<td>-55℃ to +71℃</td>
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</tr>
<tr>
<td>weight</td>
<td>0.4kg</td>
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<tr>
<td>Body material</td>
<td>Aluminum alloy</td>
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</tbody>
</table>

**Outline Drawing**