RCN0201-T  Two Channel Coaxial Rotary Joint

CENO coaxial 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 under 360° continuous rotation.

Features
◆ Stable performance and high reliability
◆ Integrated RF rotary joint
◆ Compact size, high integration level

Applications
◆ Radar equipment
◆ Antenna system
◆ Traffic control system

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

<table>
<thead>
<tr>
<th>RCN0201-T</th>
<th>Specification</th>
<th>Picture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Channel number</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Frequency range</td>
<td>1.018 to 1.102 GHz</td>
<td></td>
</tr>
<tr>
<td>Rotating speed, max</td>
<td>300rpm</td>
<td></td>
</tr>
<tr>
<td>Peak power, max</td>
<td>1.5KW</td>
<td></td>
</tr>
<tr>
<td>Working temperature</td>
<td>-40℃ ~ 71℃</td>
<td></td>
</tr>
<tr>
<td>Insertion loss, max</td>
<td>0.6dB</td>
<td></td>
</tr>
<tr>
<td>VSWR, max</td>
<td>1.3</td>
<td></td>
</tr>
<tr>
<td>VSWR, variation over rotation, max</td>
<td>0.06</td>
<td></td>
</tr>
<tr>
<td>Insertion loss, variation over rotation, max</td>
<td>0.05dB</td>
<td></td>
</tr>
<tr>
<td>IP protection grade</td>
<td>IP40</td>
<td></td>
</tr>
</tbody>
</table>

Outline Drawing