Omni-Directional Conical Spiral Antennas

FEATURES/BENEFITS:
- Circular Polarization
- Broadband Coverage
- Frequency Independent
- Designed to MIL-E-16400

TECOM offers two types of Omni-Directional Conical Spiral Antennas which cover the frequency spectrum of 400 – 12,000 MHz. The 201022 model is a four-arm spiral fed in the difference mode which yields a vertical plane beamwidth of approximately 55 degrees.

The 201096 and the 201143 models provide a hemispherical (180° in elevation), omni-directional pattern. They are ideally suited for Satellite Communication, Command Guidance/Control and Broadband Surveillance applications.

The entire family of antennas are circularly polarized with an average gain of 0 dBic. All antennas are radome enclosed and sealed.

<table>
<thead>
<tr>
<th>Type Number</th>
<th>Frequency Range</th>
<th>Average Power (Watts)</th>
<th>VSWR Avg</th>
<th>VSWR Max</th>
<th>Polarization</th>
<th>Connector</th>
<th>Weight (Lbs)</th>
<th>Weight (Kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>201022</td>
<td>8.0 - 12.4 GHz</td>
<td>5</td>
<td>1.5:1</td>
<td>2.25:1</td>
<td>RHCP**</td>
<td>SMA</td>
<td>0.5</td>
<td>0.23</td>
</tr>
<tr>
<td>201096*</td>
<td>.406 - .550 GHz</td>
<td>1000</td>
<td>1.5:1</td>
<td>1.75:1</td>
<td>RHCP**</td>
<td>N</td>
<td>20</td>
<td>9.07</td>
</tr>
<tr>
<td>201143*</td>
<td>1.0 - 4.0 GHz</td>
<td>10</td>
<td>1.5:1</td>
<td>2.50:1</td>
<td>RHCP**</td>
<td>N</td>
<td>3</td>
<td>1.36</td>
</tr>
</tbody>
</table>

Common Electrical Performance Data:
1) Gain: 0 dB
2) Deviation from Omni: ±3 dB
3) Impedance: 50 Ohms
4) Radome Enclosed

*Hemispherical, Omnidirectional Pattern
**LHCP Available Upon Request