The AS-48955 Series of Omnidirectional Antennas are broadband units with rugged construction suitable for aircraft mounting. The polarization is slant linear, which allows equal reception of vertical, horizontal, right-hand circular, and left-hand circular signals. The antennas have null-free toroidal pattern about the azimuth axis. (This type of pattern has a null at 90 degrees to the azimuth plane.) Applications include surveillance, ESM, and broadband acquisition in connection with direction finding systems. The -1 model (Dwg. 754060) includes an integrated erosion shield and protective urethane film, which together provide increased radome life for airborne applications.

FEATURES:

- Lightweight Rugged Construction
- Full 0.5 to 18 GHz Coverage
- Slant Linear Polarization

SPECIFICATIONS FOR: AS-48955 SERIES OMNIDIRECTIONAL ANTENNA

<table>
<thead>
<tr>
<th>ELECTRICAL</th>
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<tbody>
<tr>
<td>Frequency Range</td>
<td>0.5 to 18.0 GHz</td>
</tr>
<tr>
<td>VSWR</td>
<td>3.0:1 typ</td>
</tr>
<tr>
<td>Gain (matched polarization)</td>
<td>0 dBi nom</td>
</tr>
<tr>
<td>Impedance</td>
<td>50 Ohms</td>
</tr>
<tr>
<td>Polarization</td>
<td>Slant Linear</td>
</tr>
<tr>
<td>Beamwidth</td>
<td>360 in azimuth 20 nom in elevation</td>
</tr>
<tr>
<td>Deviation From Omni</td>
<td>±8.0 dB max with ±3 dB over 90% of the band typ</td>
</tr>
<tr>
<td>Power Handling</td>
<td>Receive Only</td>
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</table>

<table>
<thead>
<tr>
<th>MECHANICAL</th>
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<tbody>
<tr>
<td>Connector</td>
<td>Type BNC Female UG-89</td>
</tr>
<tr>
<td>Radome</td>
<td>Honeycomb core, vented</td>
</tr>
<tr>
<td>Weight</td>
<td>12 Lbs (5.4 kgs) nom</td>
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</table>

<table>
<thead>
<tr>
<th>REFERENCE</th>
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<tbody>
<tr>
<td>Outline Drawing</td>
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Consult with factory for mounting specifications.