Model 213F00100
Coplanar Slot Antenna

2009 Data Sheet

The most important thing we build is trust

Description
Model 213F00100 is an airborne, coplanar slot antenna designed for semi-flush installation (3/4" protrusion). This application provides a two way data transmission link between the aircraft and Synchronous Meteorological Satellite. The antenna is perpendicular to the installation, with circular polarization and near hemispheric coverage. Additional frequencies and radius are available.

Physical Configuration

Key Features
- Pressure Sealed
- Guidance – Dielectric Rod Antenna
- Light Weight
- Leaky Wave Type
- Directive Beam

Specifications

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value[^1]</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREQUENCY RANGE</td>
<td>401 to 403 MHz</td>
</tr>
<tr>
<td>VSWR</td>
<td>1.7:1 max.</td>
</tr>
<tr>
<td>NOMINAL GAIN</td>
<td>6 dBiC at 401 to 403 MHz</td>
</tr>
<tr>
<td>POLARIZATION</td>
<td>RHCP</td>
</tr>
<tr>
<td>RF POWER</td>
<td>100 Watts CW</td>
</tr>
<tr>
<td>AXIAL RATIO</td>
<td>4 dB on axis</td>
</tr>
<tr>
<td>INPUT</td>
<td>N Jack</td>
</tr>
</tbody>
</table>

[^1] Contact us with your custom design requirements

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