1559-1610 MHz GNSS EMBEDDED CHIP ANTENNA

Part Numbers: 2108824-1

FEATURES & BENEFITS
- L1+G1 bands for GNSS
- Embedded Ceramic Chip Antenna
- On Board SMD Antenna
- Available in tape & reel
- The following data is based on 80 x 40 mm ground size

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Range (MHz)</td>
<td>1559-1610</td>
</tr>
<tr>
<td>VSWR</td>
<td>&lt; 1.7:1</td>
</tr>
<tr>
<td>Average Efficiency</td>
<td>80%</td>
</tr>
<tr>
<td>Peak Gain</td>
<td>2.9 dBi</td>
</tr>
<tr>
<td>Average Gain</td>
<td>-1.0 dBi</td>
</tr>
<tr>
<td>Feed Point Impedance</td>
<td>50 ohms</td>
</tr>
<tr>
<td>Polarization</td>
<td>Linear</td>
</tr>
<tr>
<td>Size</td>
<td>10.0 mm x 3.0 mm x 1.5 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>&lt; 0.11 g</td>
</tr>
<tr>
<td>Mounting</td>
<td>Surface mount</td>
</tr>
<tr>
<td>Mating Connector</td>
<td>N/A</td>
</tr>
<tr>
<td>Cable</td>
<td>N/A</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-40 to +85°C</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>-40 to +85°C</td>
</tr>
<tr>
<td>Hazardous Materials</td>
<td>A certificate of conformance is available from the product page on TE website.</td>
</tr>
</tbody>
</table>
RF DATA

VSWR

Return Loss

Efficiency
RADIATION PATTERN

Test setup

Azimuth Plane
Elevation 1 Plane
Elevation 2 Plane

Azimuth

Legend:
1585 MHz

Elevation 1

Elevation 2
NOTES: 1. No copper allowed in designated area on all PCB layers –
3. For more information please call TE.
1559-1610 MHz GNSS EMBEDDED CHIP ANTENNA
Standard Antenna Solutions

PACKAGING

4,000pcs/1 Reel
Ø13” x 24 mm

12,000pcs/3 Inner box
3 Inner box/1 Outer box

TE TECHNICAL SUPPORT CENTER
USA: +1 (800) 522-6752
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For phone numbers in other countries, go to te.com/support-center

DATA AND DEVICES /// 1559-1610 MHz GNSS EMBEDDED CHIP ANTENNA