1570-1615 MHz GNSS ANTENNA, CHIP TYPE
Standard Antenna Solutions
Part Number: 2195764-1

PRODUCT FACTS:
• Embedded ceramic chip antenna
• SMT assembly
• Available in tape & reel
• RoHS compliant

RECOMMENDATIONS:
• Minimum or no matching circuits required
• Bandwidth and performance is dependent on ground plane size. Evaluation board size is 80mm x 40mm
• PCB ground is to be on top layer

SPECIFICATIONS:
• Frequency Range: 1570-1615 MHz
• Peak Gain: ≤3.2 dBi (Max)
• VSWR: <2.0:1
• Polarization: Linear
• Power Handling: 10 Watt cw
• Feed Point Impedance: 50 ohms
• Size: 5.2mm x 3.7mm x 0.7mm
• Mounting: Surface-mount technology
• Mounting Guide: See diagram on page 2
• Weight: 0.2 g
• Operating Temperature: -40° to 105°C
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MOUNTING GUIDE:

KEEP OUT AREA:

NOTES:
1. Antenna designed to be mounted on ground plane.
2. Area in blue above indicates Keep Out Area.
3. For more information please call TE.

Dimensions: mm
Diagram is not to scale
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**APPROXIMATE DIMENSIONS:**

![Approximate Dimensions Diagram](image)

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>L</td>
<td>5.20 ± 0.30</td>
</tr>
<tr>
<td>W</td>
<td>3.70 ± 0.30</td>
</tr>
<tr>
<td>H</td>
<td>0.70 ± 0.15</td>
</tr>
<tr>
<td>A</td>
<td>0.50 ± 0.25</td>
</tr>
<tr>
<td>B</td>
<td>0.50 ± 0.25</td>
</tr>
<tr>
<td>L1</td>
<td>1.10 ± 0.20</td>
</tr>
<tr>
<td>W1</td>
<td>0.55 ± 0.20</td>
</tr>
<tr>
<td>X</td>
<td>0.50 ± 0.10</td>
</tr>
<tr>
<td>Y</td>
<td>2.60 ± 0.20</td>
</tr>
<tr>
<td>Z</td>
<td>2.95 ± 0.30</td>
</tr>
</tbody>
</table>

(Unit: mm)

**TAPING PACKAGE AND LABEL MARKING**

(1) Quantity/reel: 2000pcs/reel

(2) Carrier tape dimensions

![Carrier Tape Dimensions Diagram](image)

(3) Taping reel dimensions

![Taping Reel Dimensions Diagram](image)

**Notice:**

1. 10 Special hole pitch cumulative tolerance is ±0.1mm
2. Measured on outside of printed hole
3. B or B measured on a plane of 0.3mm above the top surface of the package.
4. 4A measured from a plane on the inside of the package to the top surface of the center.
5. 4C or C measured from a plane on the inside of the package to the top surface of the center.
6. 4C or C measured from a plane on the inside of the package to the top surface of the center.
7. 4C or C measured from a plane on the inside of the package to the top surface of the center.
RECOMMENDED REFLOW SOLDERING

1. Soldering gun procedure
   Note the following, in case of using soldering gun for replacement
   (a) The tip temperature must be less than 350°C for a period within 3 seconds by using soldering gun under 30 W
   (b) The soldering gun tip shall not touch this product directly

2. Soldering volume
   Note that excess soldering volume will easily crack the body of this product

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