

GNSS ANTENNA L1/L2 HIGH PRECISION STACKED PASSIVE PATCH ANTENNA, PIN TYPE

Standard Antenna Solutions

Part Number: 2195766-1

PRODUCT FACTS:

- Embedded ceramic patch antenna
- Highest accuracy positioning
- Through-hole assembly
- RoHS compliant

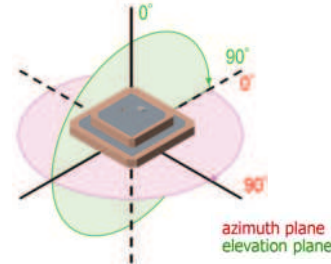
RECOMMENDATIONS:

- Minimum or no matching circuits required
- Bandwidth and performance is dependent on ground plane size 70mm x 70mm
- PCB ground needs to be on top layer

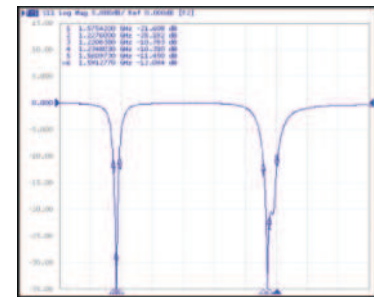
SPECIFICATIONS:

- Frequency Range:
 - L1 : 1575.4 $\pm$ 3 MHz
 - L2 : 1227.6 $\pm$ 3 MHz
- Peak Gain at Zenith:
 - L1 : 1575.4 MHz: 4.0 dBic typ
 - L2 : 1227.6 MHz: 5.0 dBic typ
- Axial Ratio:
 - L1 : 1575.4 MHz: 3.0 dB typ
 - L2 : 1227.6 MHz: 3.0 dB typ
- Return Loss at 1575.4 & 1227.6 MHz: <-10 dB
- Polarization: R.H.C.P
- Feed Point Impedance: 50 ohms
- Size: 38 x 38 x 8.9 mm
- Weight: 30 g
- Mounting Guide: See diagram on page 2
- Connector: Pin length is 3 mm
- Operating Temperature: -40° to 85°C

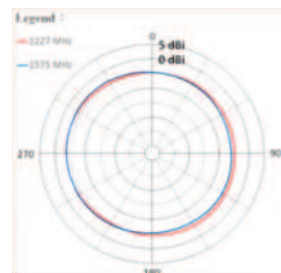
TEST ORIENTATION IN FREE SPACE:



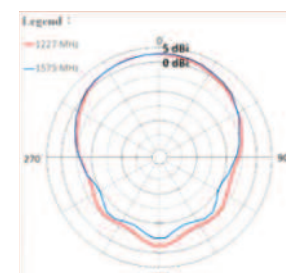
RETURN LOSS



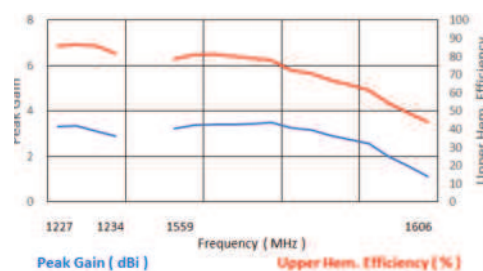
AZIMUTH:



ELEVATION:



EFFICIENCY:

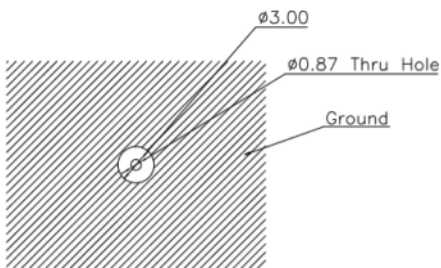


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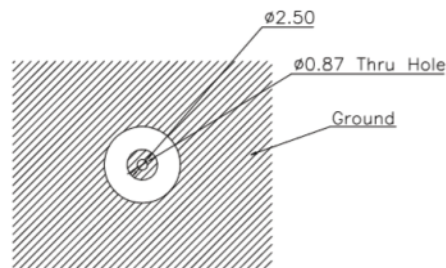
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MOUNTING GUIDE:

Top Side

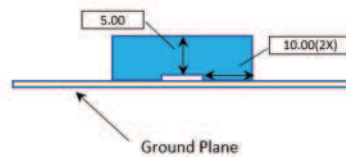
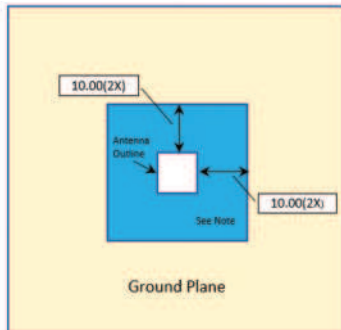


Bottom Side



Tolerance: ± 0.2
Unit: mm

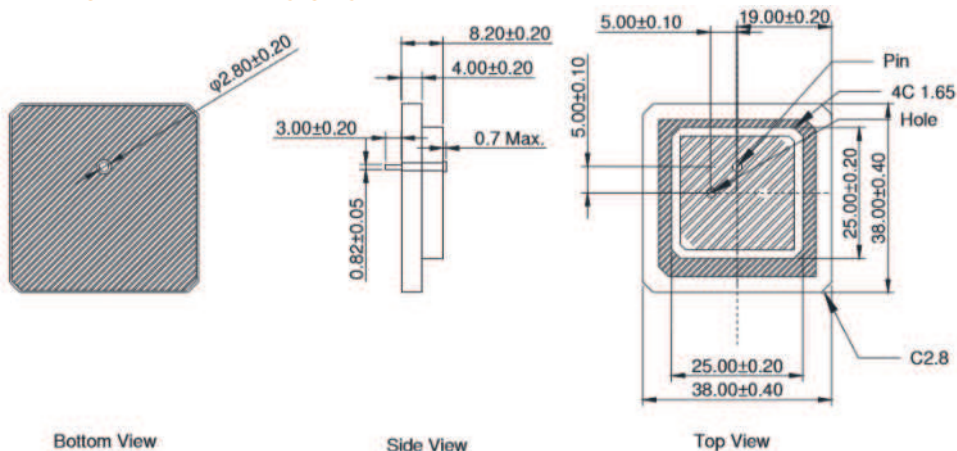
KEEP OUT AREA:



- 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

APPROXIMATE DIMENSIONS:



Unit : mm

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1-1773970-3 01/19 Original