

# 1559-1606 MHz GNSS BAND ANTENNA

Standard Antenna Solutions

Part Number: 2195761-1

## PRODUCT FACTS:

- Embedded ceramic patch antenna
- Through-hole assembly
- RoHS compliant

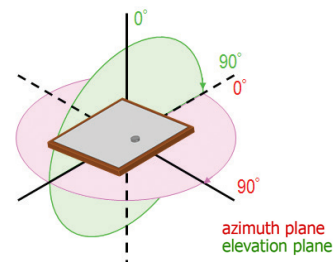
## RECOMMENDATIONS:

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

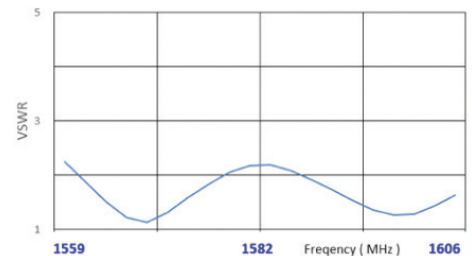
## SPECIFICATIONS:

- Frequency Range: 1559-1606 MHz
- Gain at Zenith:
  - 1575.4 MHz: 4.7dBic typ
  - 1602 MHz: 4.8 dBic typ
- VSWR: <3.0 : 1
- Axial ratio:
  - 1575.4 MHz: 3.5 dB typ.
  - 1602 MHz: 4.5 dB typ.
- Polarization: R.H.C.P
- Feed Point Impedance: 50 ohms
- Size: 25mm x 25mm x 4.5mm
- Pin Length: 1.5mm
- Weight: 9.4 g
- Mounting Guide: See diagram on page 2
- Operating Temperature: -40° to 105°C

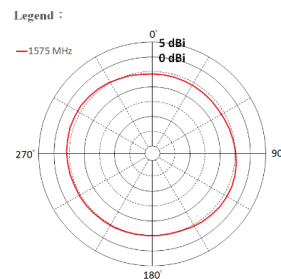
## TEST ORIENTATION IN FREE SPACE:



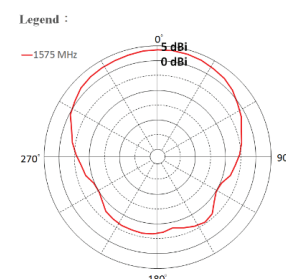
## VSWR:



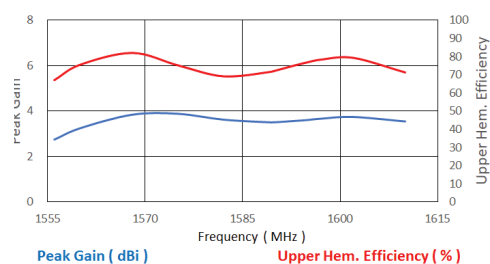
## AZIMUTH:



## ELEVATION:



## EFFICIENCY:

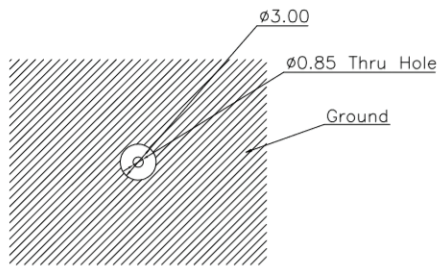


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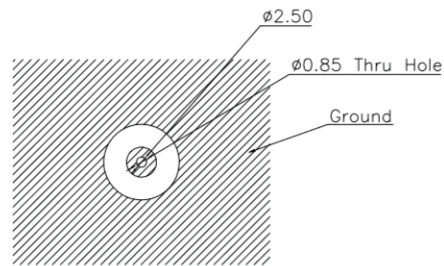
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## MOUNTING GUIDE:

Top Side

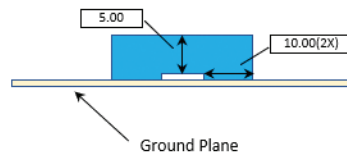
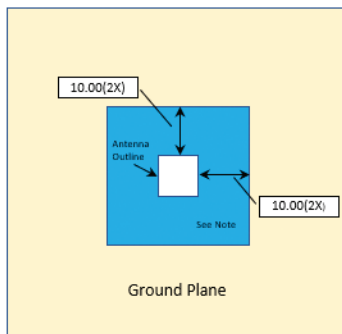


Bottom Side



Tolerance:  $\pm 0.2$   
Unit: mm

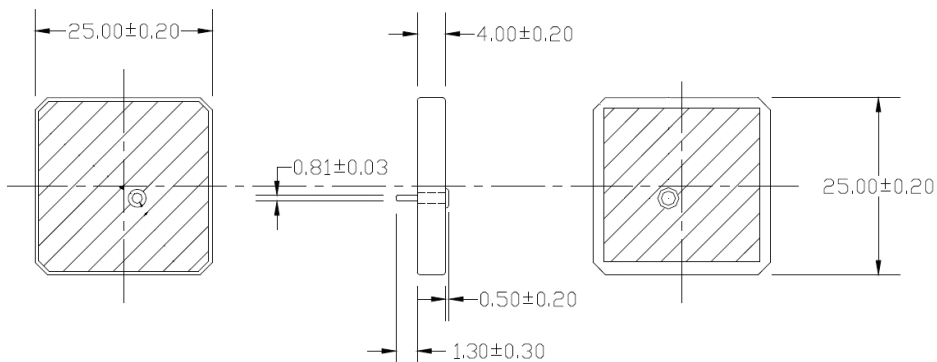
## KEEP OUT AREA:



- 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:



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## TE TECHNICAL SUPPORT CENTER

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For phone numbers in other countries, go to [te.com/support-center](http://te.com/support-center)

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