



## 1559-1606 MHz GNSS BAND ANTENNA

Standard Antenna Solutions

Part Number: 2195762-1

#### **PRODUCT FACTS:**

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

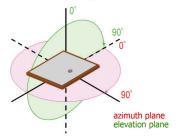
#### **RECOMMENDATIONS:**

- 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: 4.1 dBic typ
  - 1602 MHz: 5.7 dBic typ
- Axial ratio:
  - 1575.4 MHz: 5 dB typ.
  - 1602 MHz: 2 dB typ.
- Feed Point Impedance: 50 ohms
- VSWR: <3.0:1
- Polarization: R.H.C.P
- Size: 35.5mm x 35.5mm x 4.1mm
- Pin Length: 1.5 mm
- Weight: 16 g
- Mounting Guide: See diagram on page 2
- Operating Temperature: -40° to 105°C

# TEST ORIENTATION IN FREE SPACE:



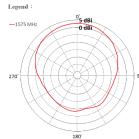


### ELEVATION:

1559

VSWR:

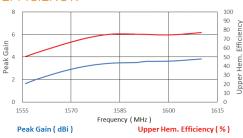
/SWR



1582

Freqency ( MHz )

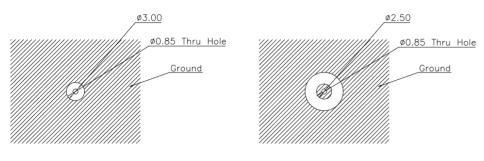
#### EFFICIENCY:



#### MOUNTING GUIDE:

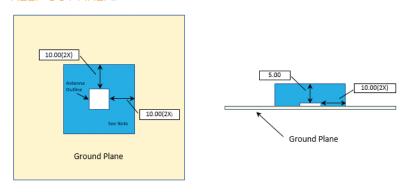
Top Side

Bottom Side



Tolerance: ±0.2 Unit:mm

### KEEP OUT AREA:

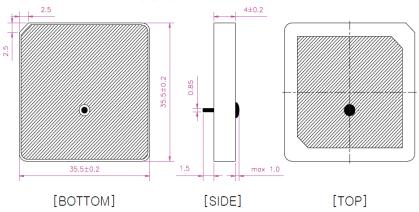


NOTES: 1. Antenna designed to be mounted on ground plane.
2. Area in blue above indicates Keep Out Area.

- 3. For more information please call TE.

Dimensions: mm Diagram is not to scale

#### APPROXIMATE DIMENSIONS:



#### TE TECHNICAL SUPPORT CENTER

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