



# 1215-1250, 1559-1610 MHz GNSS ANTENNA

Part Number: 2108848-1

## FEATURES & BENEFITS

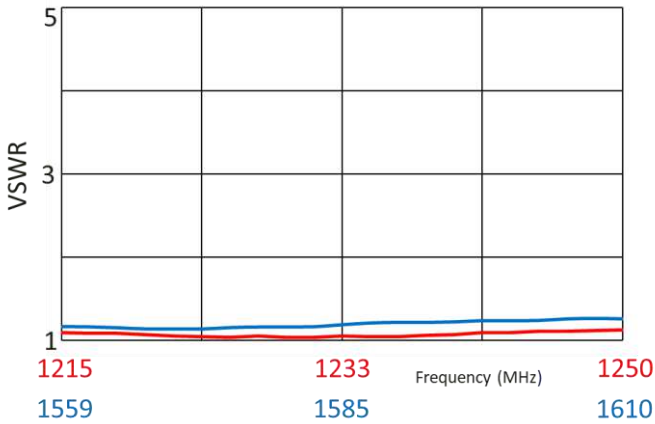
- L1+G1 & L2+G2 Multi bands for GNSS
- Dual Port Patch Antenna
- Through-hole assembly
- The following data is based on Dia.150mm ground size

## SPECIFICATIONS

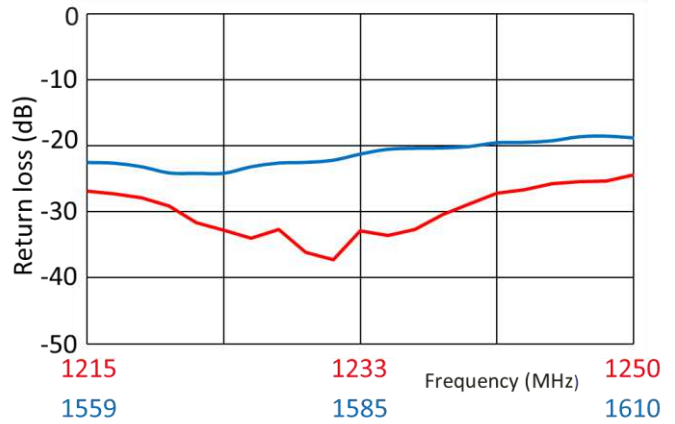
Frequency Range (MHz)	1215 - 1250	1559 - 1610
VSWR	< 1.2:1	< 1.3:1
Peak Gain at Zenith	Typ. 4.2 dBic	Typ. 6.0 dBic
Axial ratio at Zenith	Typ. 1.5 dB	Typ. 1.9 dB
Average Gain	-3.6 dBic	-2.5 dBic
Isolation	-18 dB	-20dB
LNA (Voltage & Current)	N/A	
Feed Point Impedance	50 ohms	
Polarization	RHCP	
Size	33.0 mm x 33.0 mm x 15.0 mm	
Weight	< 46.0 g	
Mounting	Adhesive Tape	
Mating Connector	N/A	
Cable	N/A	
Operating Temperature	-40 to +85°C	
Storage Temperature	-40 to +85°C	
Hazardous Materials	A certificate of conformance is available from the product page on TE website.	

## RF DATA

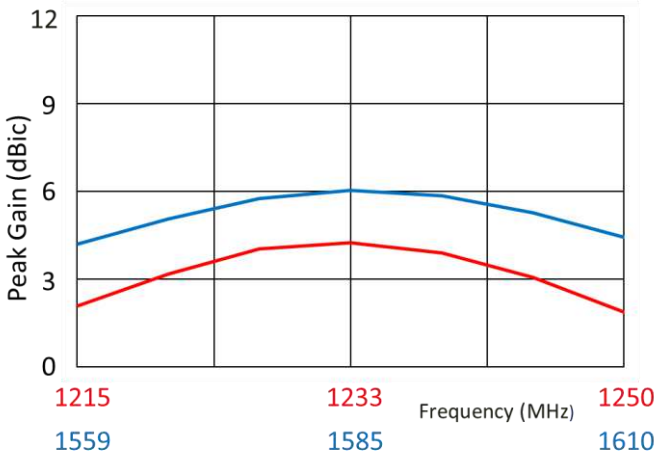
### VSWR



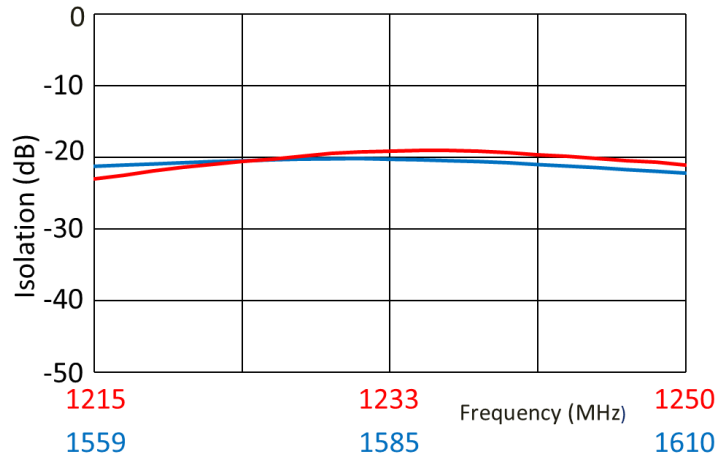
### Return Loss



### Peak Gain

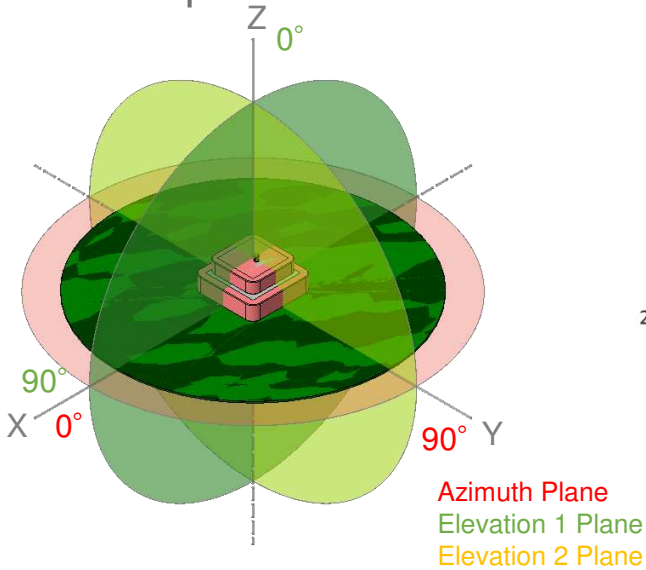


### Isolation

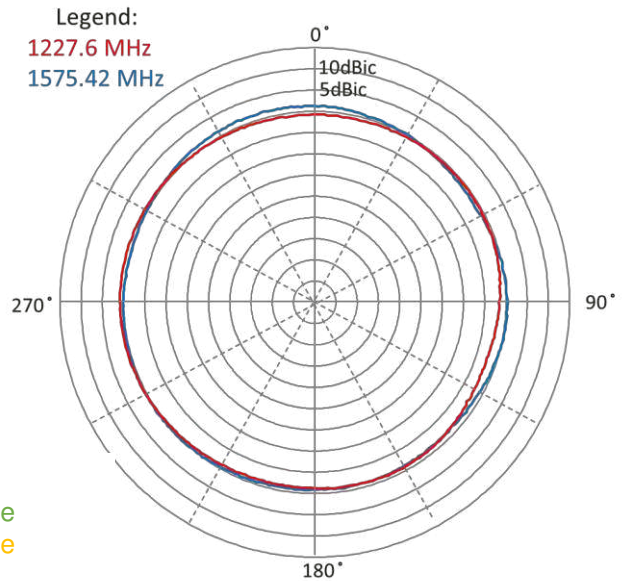


# RADIATION PATTERN

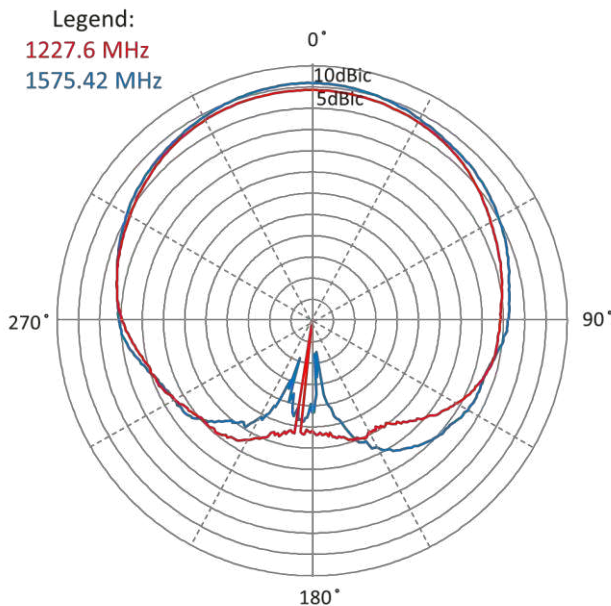
Test setup



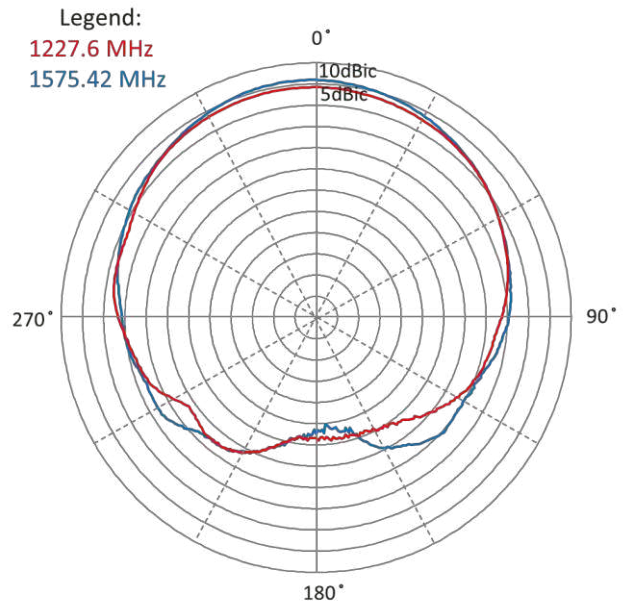
Azimuth



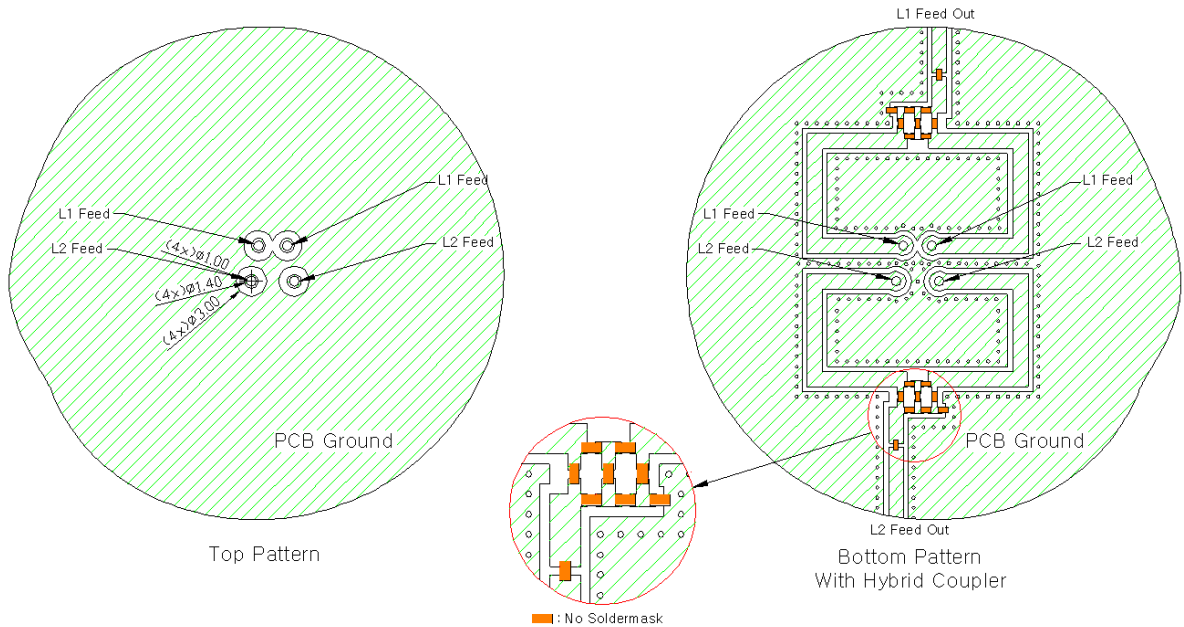
Elevation 1



Elevation 2



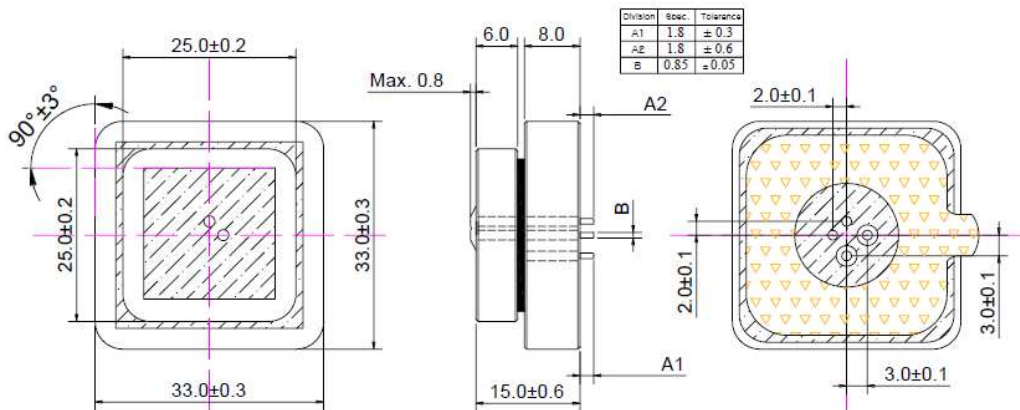
# MOUNTING GUIDE



**NOTES:** 1. Suggested matching component pads.  
2. For more information please call TE.

**Dimension: mm**  
**Diagrams is not to scale**

# DIMENSIONS

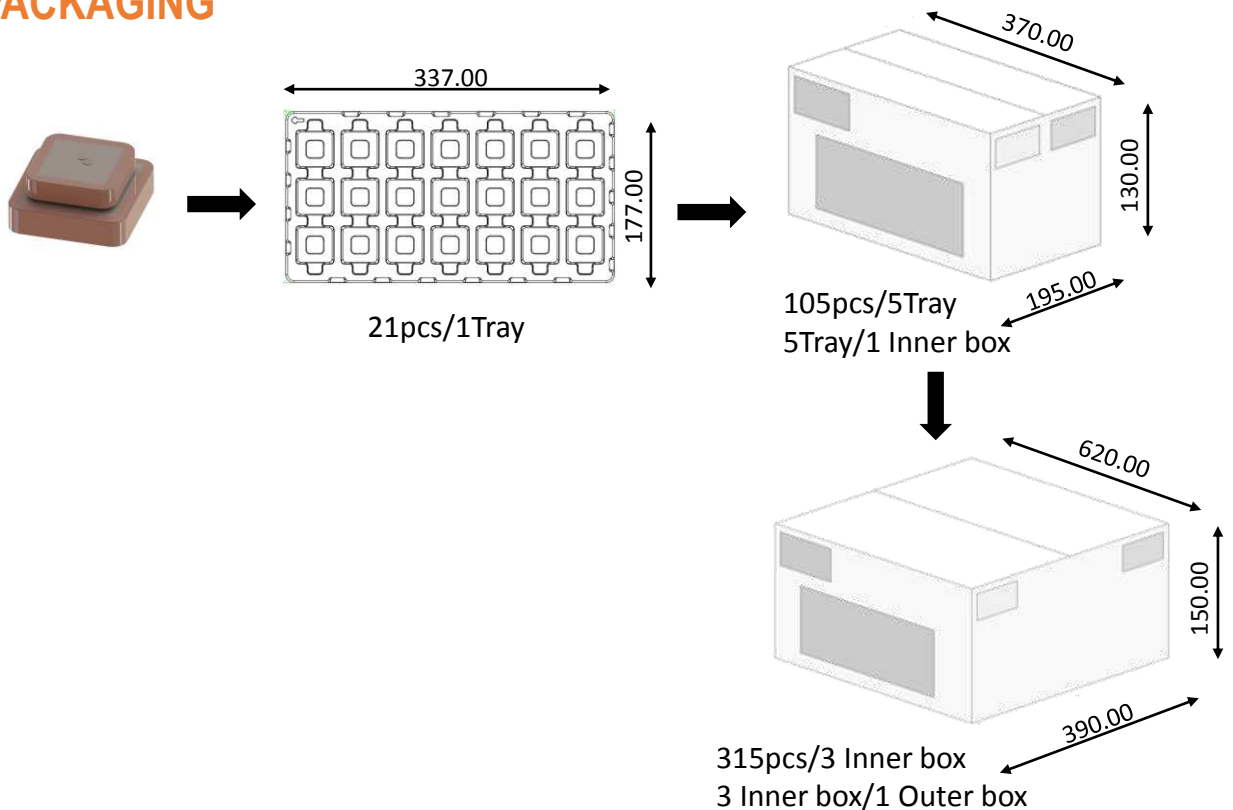


**Dimensions: mm**  
**Diagram is not to scale**

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Standard Antenna Solutions

## PACKAGING



### TE TECHNICAL SUPPORT CENTER

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- Latin/S. America: +54 (0) 11-4733-2200
- Germany: +49 (0) 6251-133-1999
- UK: +44 (0) 800-267666
- France: +33 (0) 1-3420-8686
- Netherlands: +31 (0) 73-6246-999
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