



## 1164-1255, 1559-1610 MHz GNSS ANTENNA

**Part Number: 2108844-1**

### FEATURES & BENEFITS

- L1+G1 & L2+L5+E5b+G2 bands for GNSS
- Dual Port Patch Antenna
- Through-hole assembly
- The following data is based on Dia.150mm ground size

### SPECIFICATIONS

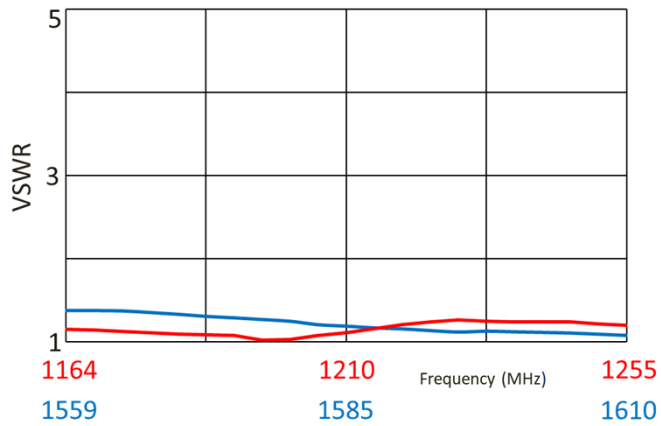
Frequency Range (MHz)	1164 - 1255	1559 - 1610
VSWR	< 1.3:1	< 1.4:1
Peak Gain at Zenith	Typ. 5.4 dBic	Typ. 6.0 dBic
Axial ratio at Zenith	Typ. 1.4 dB	Typ. 1.3 dB
Average Gain	-5.4dBic	-2.6 dBic
Isolation	-24 dB	-21dB
LNA (Voltage & Current)	N/A	
Feed Point Impedance	50 ohms	
Polarization	RHCP	
Size	41.0 mm x 41.0 mm x 13.0 mm	
Weight	< 62.7 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.	

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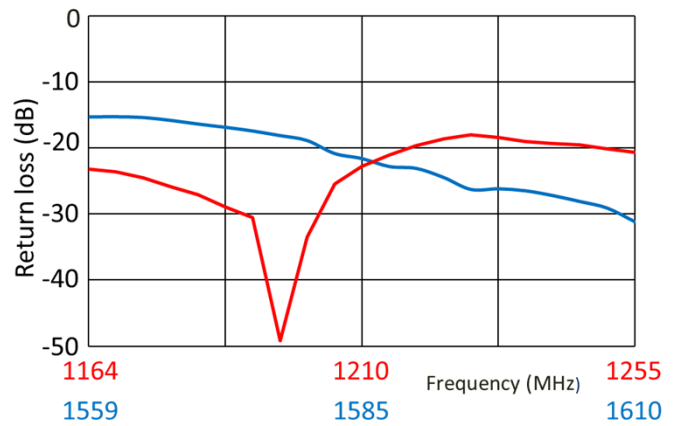
Standard Antenna Solutions

## RF DATA

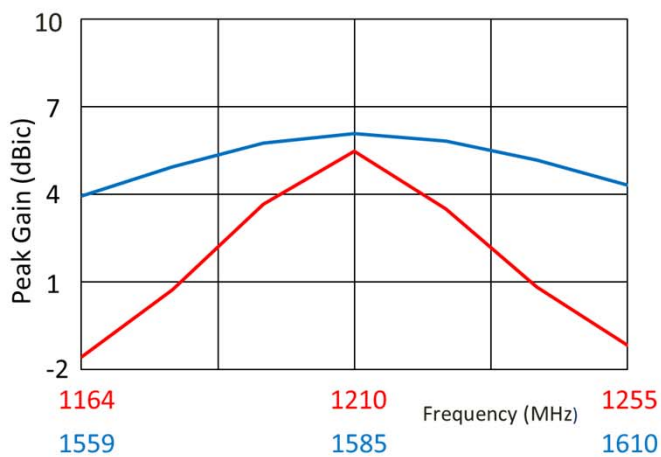
### VSWR



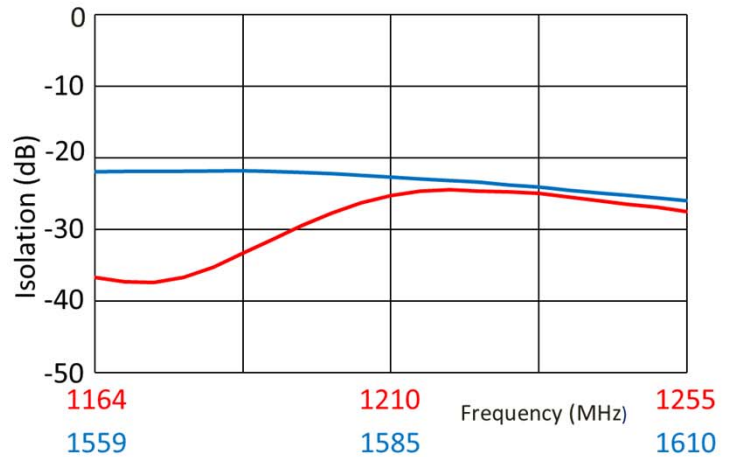
### Return Loss



### Peak Gain

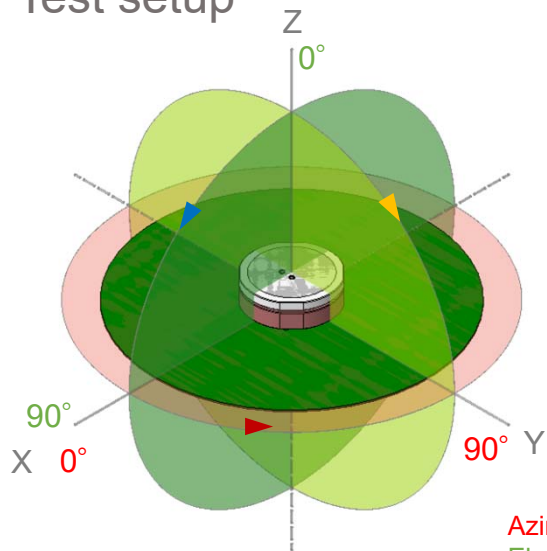


### Isolation



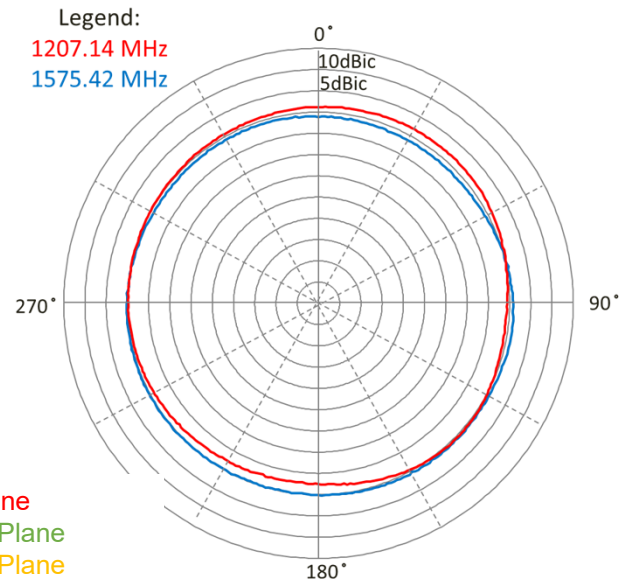
## RADIATION PATTERN

Test setup

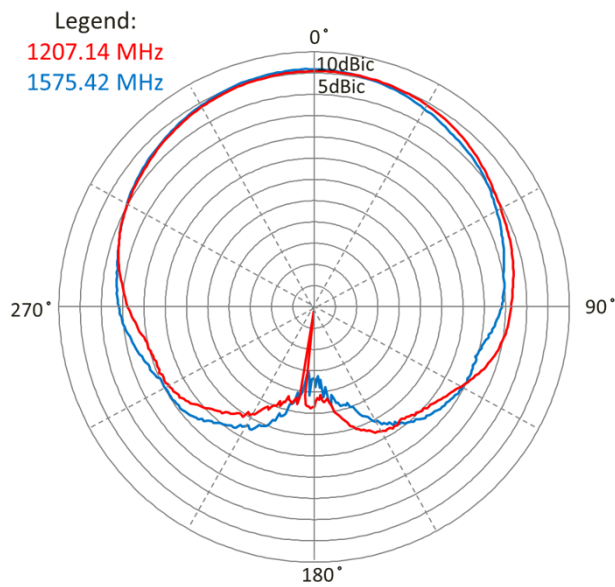


Azimuth Plane  
Elevation 1 Plane  
Elevation 2 Plane

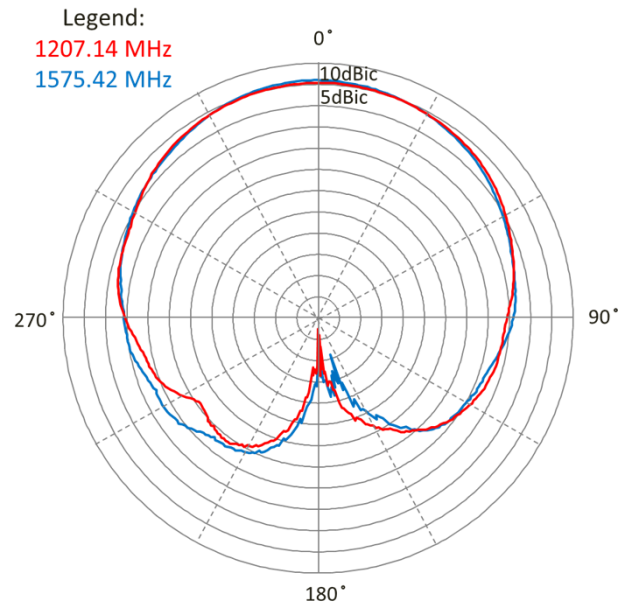
Azimuth



Elevation 1



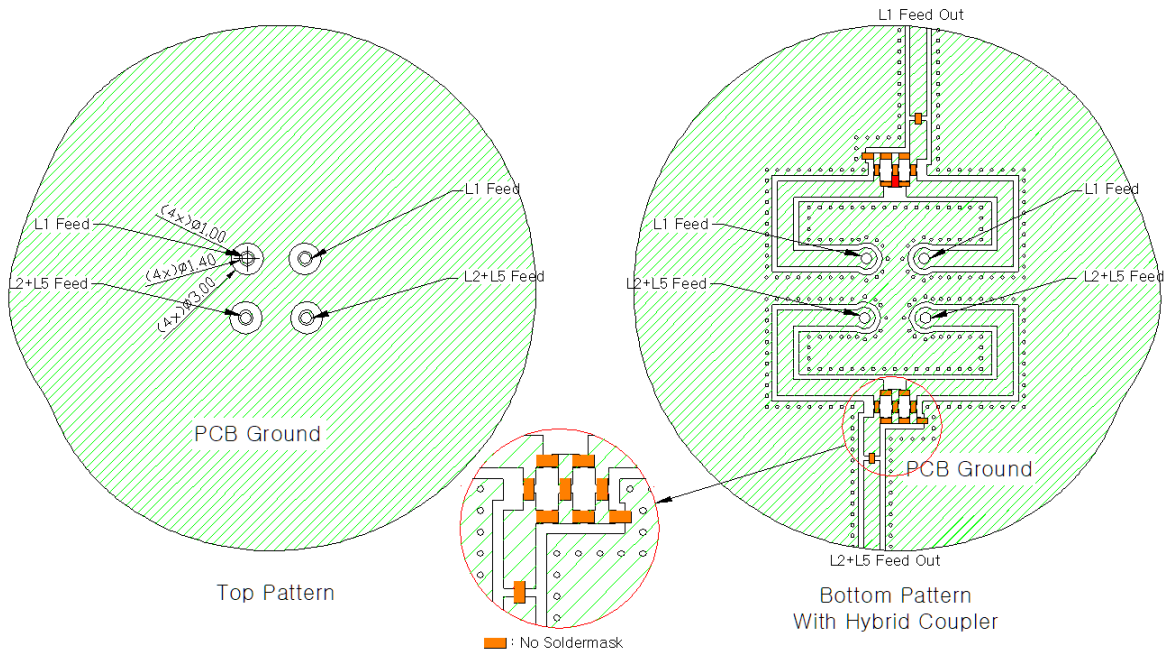
Elevation 2



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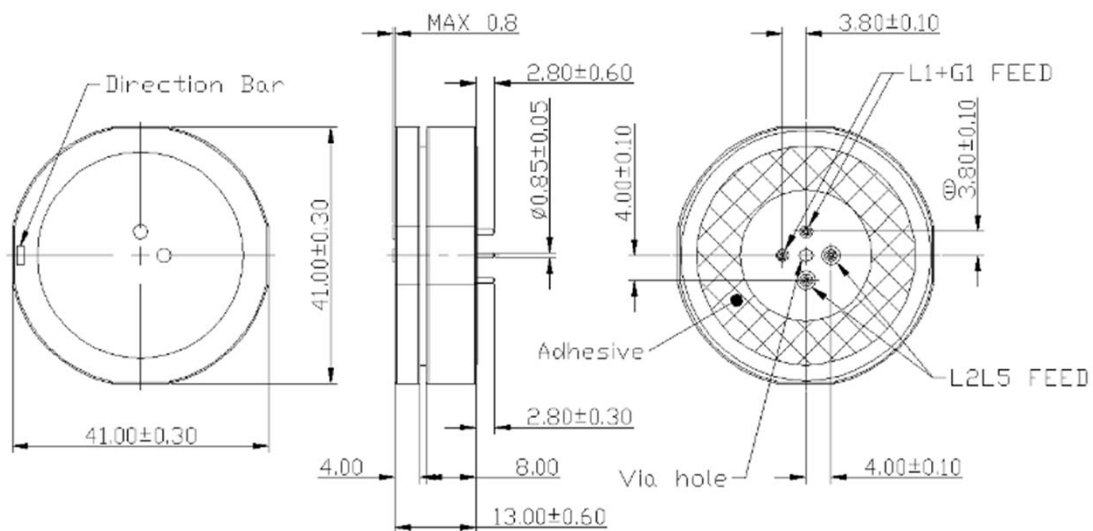
## MOUNTING GUIDE



- NOTES:** 1. Suggested matching component pads  
2. Please contact us for more information

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

## DIMENSIONS

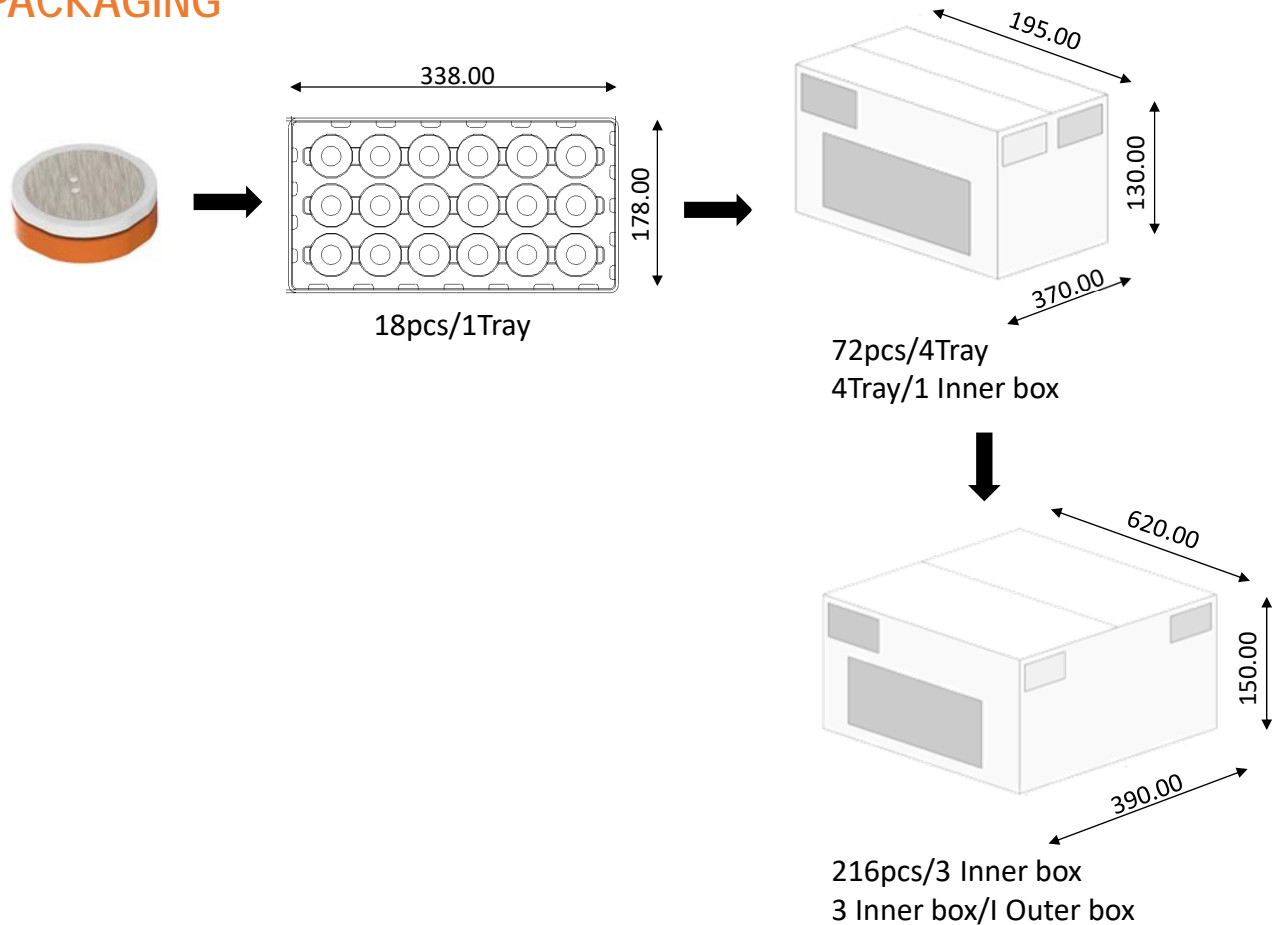


**Dimension: mm**  
**Diagrams is not to scale**

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### PACKAGING



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