



# 1164-1255, 1559-1610 MHz GNSS ANTENNA

Part Number: 2108844-1

## FEATURES & BENEFITS

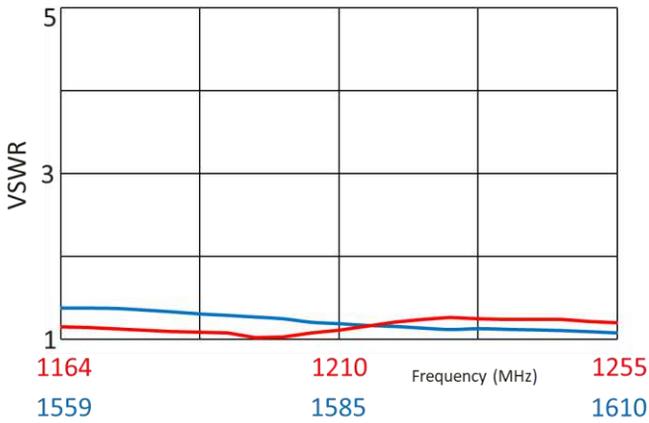
- L1+G1 & L2+L5+E5b+G2 bands for GNSS
- Dual Port Patch Antenna
- Through-hole assembly
- The following data is based on Dia.150mm ground size

## SPECIFICATIONS

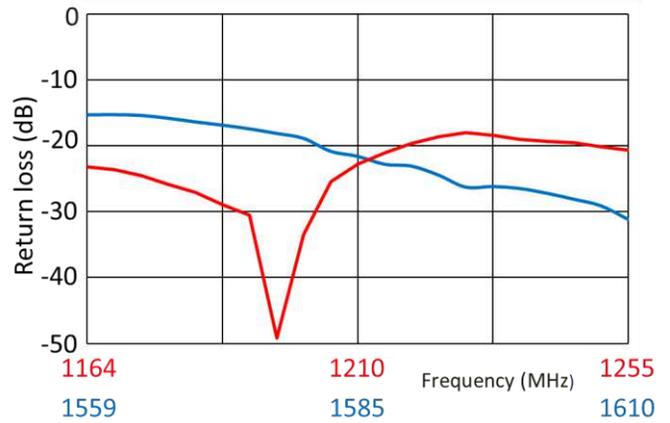
Frequency Range (MHz)	1164 - 1255	1559 - 1610
VSWR	< 1.3:1	< 1.4:1
Peak Gain at Zenith	Typ. 5.4 dBic	Typ. 6.0 dBic
Axial ratio at Zenith	Typ. 1.4 dB	Typ. 1.3 dB
Average Gain	-5.4dBic	-2.6 dBic
Isolation	-24 dB	-21dB
LNA (Voltage & Current)	N/A	
Feed Point Impedance	50 ohms	
Polarization	RHCP	
Size	41.0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

## RF DATA

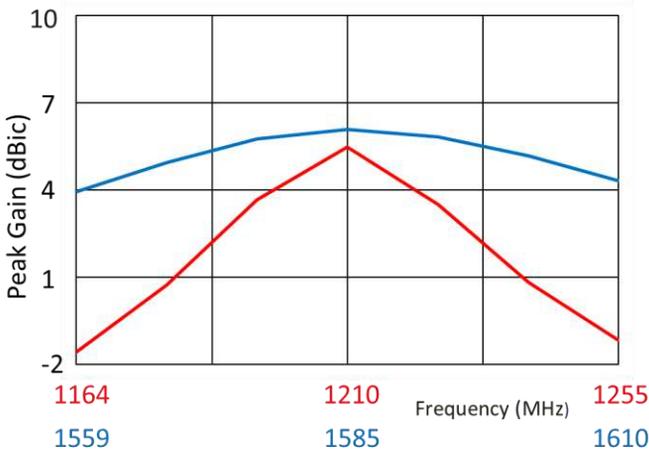
### VSWR



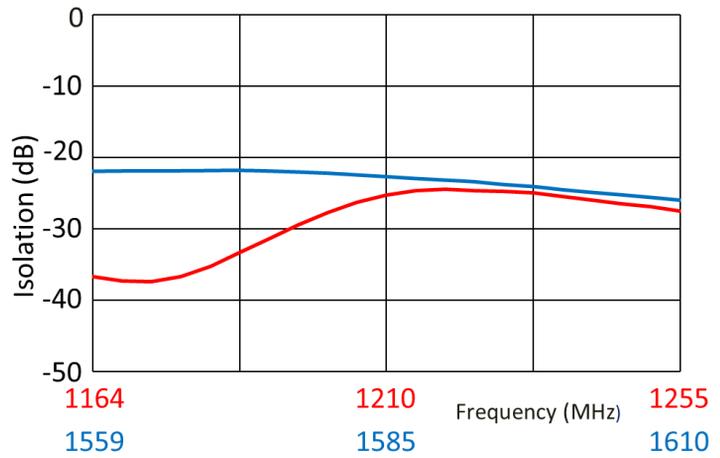
### Return Loss



### Peak Gain

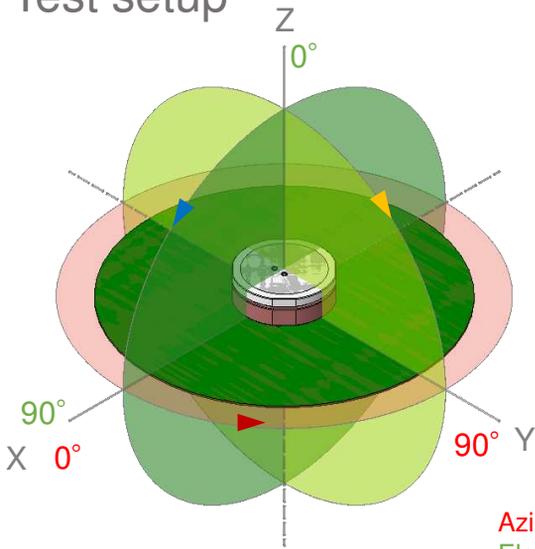


### Isolation



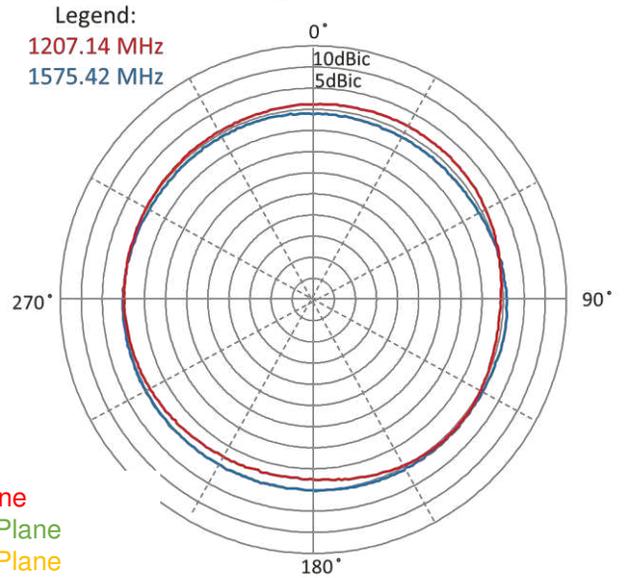
# RADIATION PATTERN

Test setup

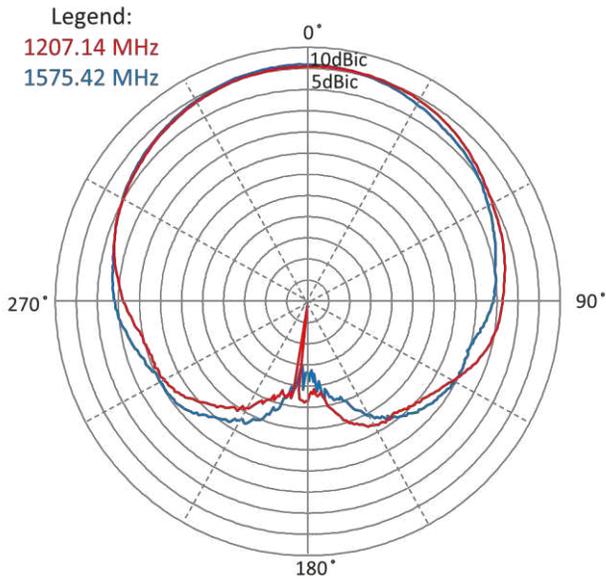


Azimuth Plane  
Elevation 1 Plane  
Elevation 2 Plane

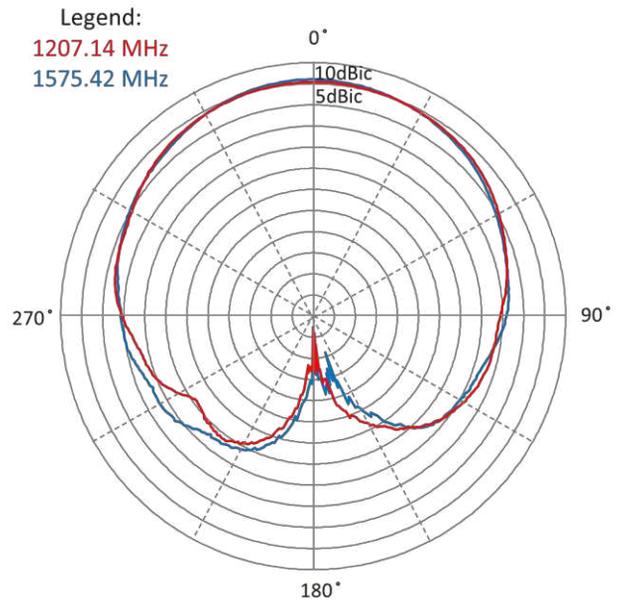
Azimuth



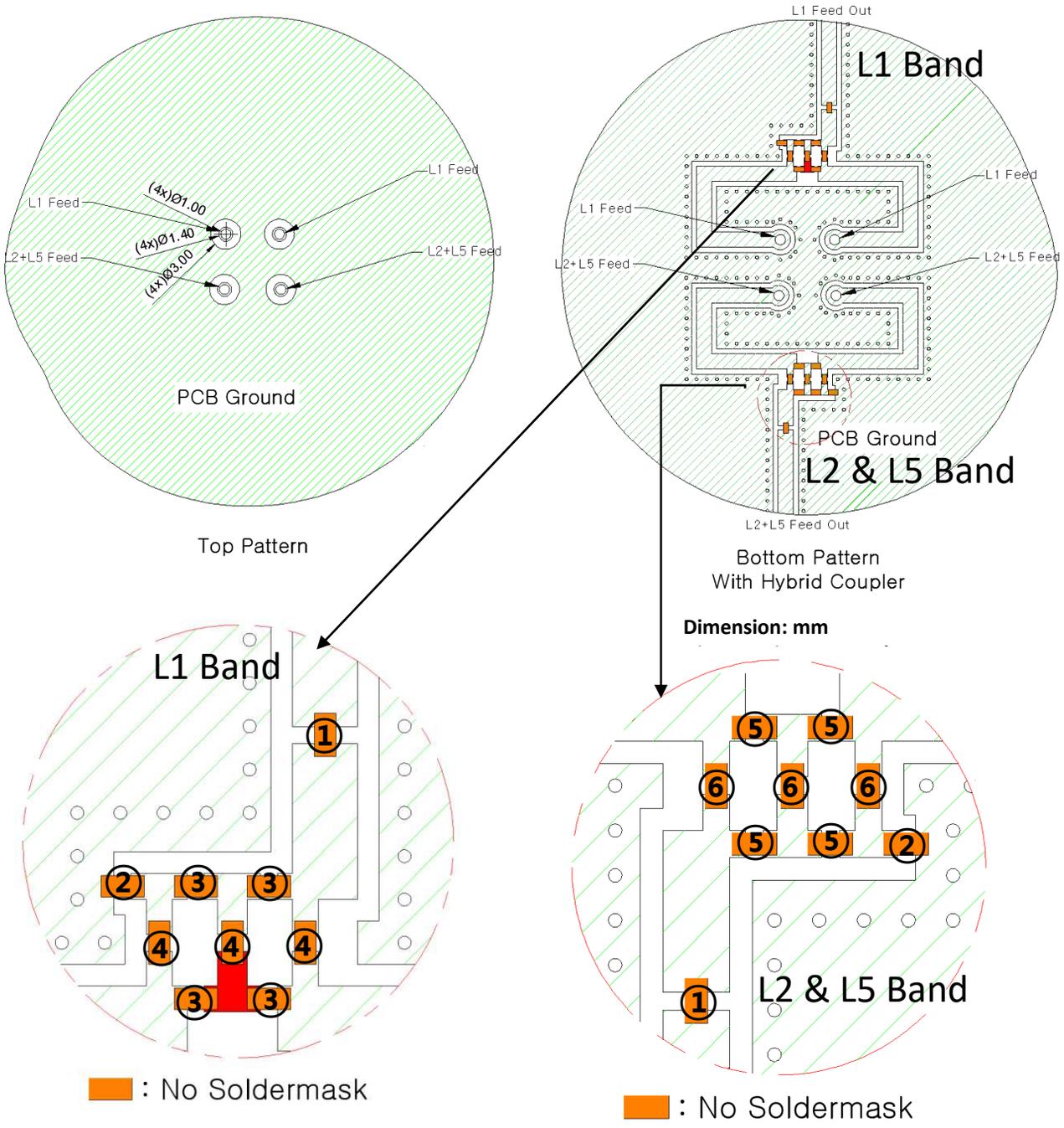
Elevation 1



Elevation 2



# MOUNTING GUIDE



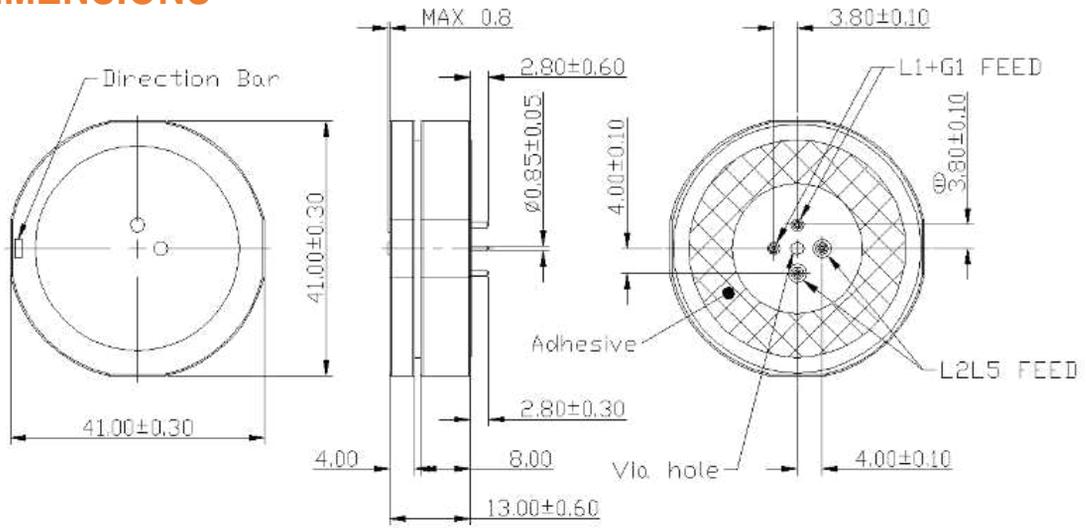
- NOTES:**
- 1. Suggested matching component pads
  - 2. Please contact us for more information
  - 3. Measured with below matching circuit condition.
- ① 100pF   ② 50ohm   ③ 1.5pF   ④ 4.7nH   ⑤ 2.7pF   ⑥ 6.8nH

Dimension: mm  
 Diagrams is not to scale

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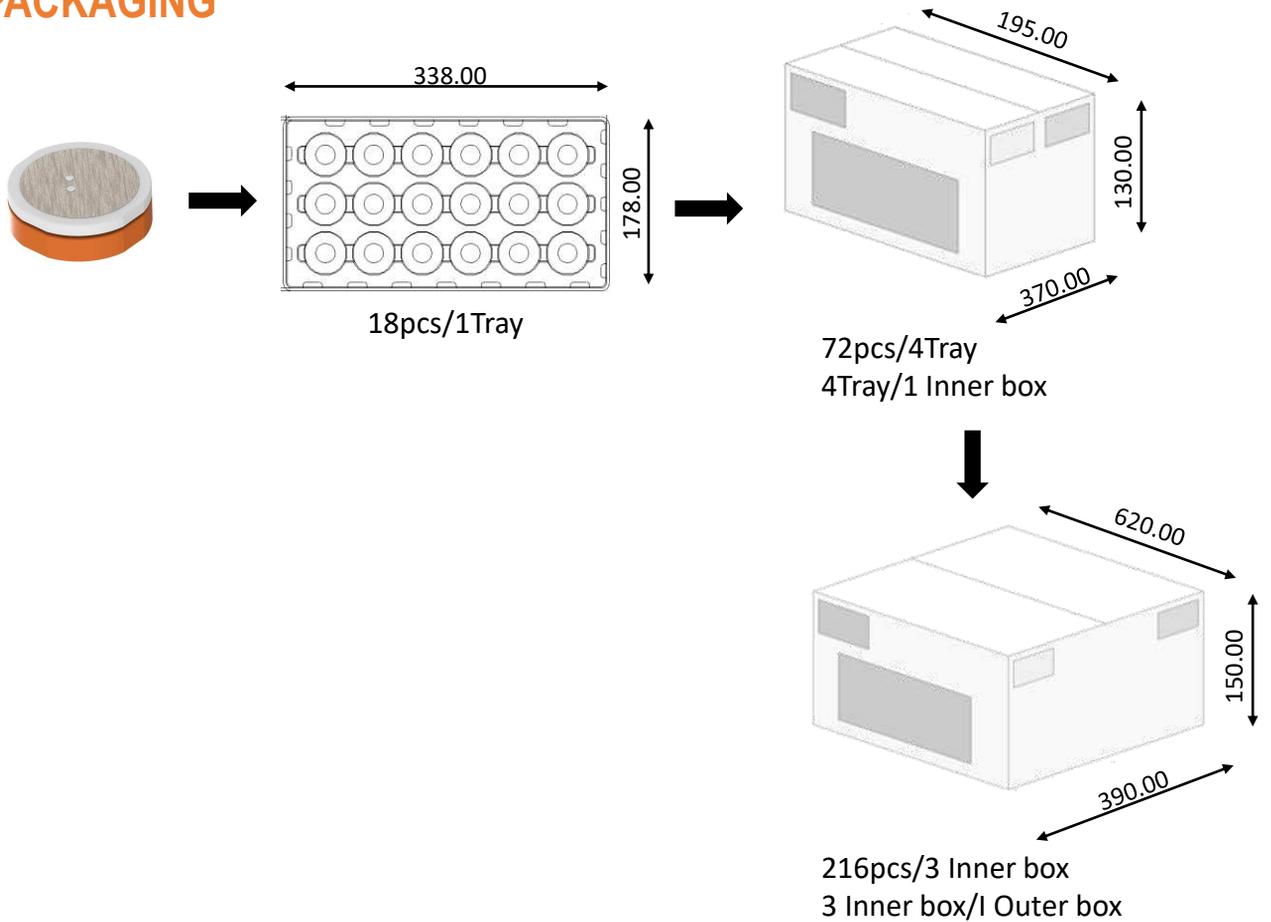
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## DIMENSIONS



Dimension: mm  
Diagrams is not to scale

## PACKAGING



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## TE TECHNICAL SUPPORT CENTER

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