



# 1194-1255, 1559-1610 MHz GNSS ANTENNA

Part Number: 2108840-1

## FEATURES & BENEFITS

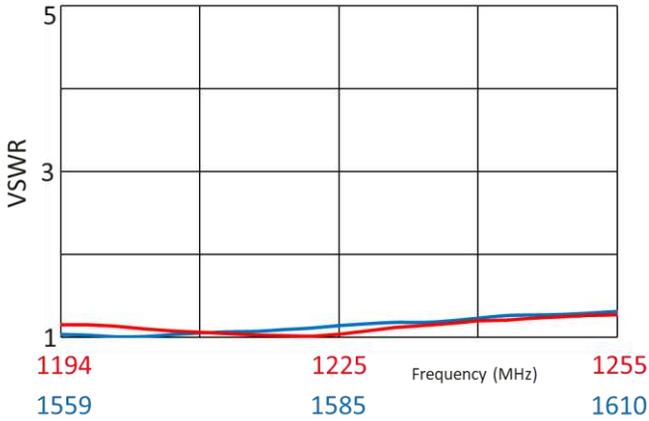
- L1+G1 & L2+E5b+G2 bands for GNSS
- Dual Port Patch Antenna
- Through-hole assembly
- The following data is based on Dia. 150 mm ground size

## SPECIFICATIONS

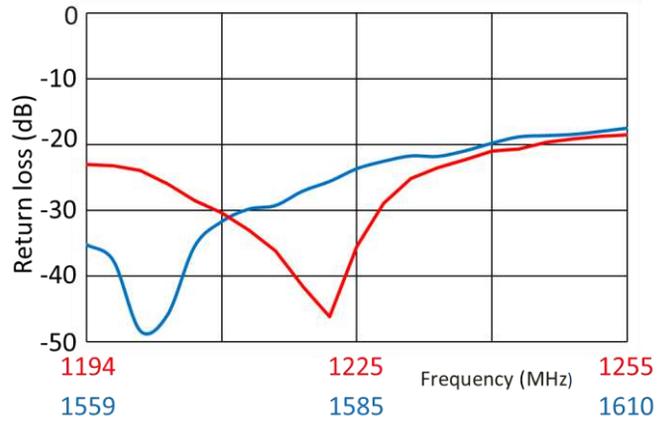
Frequency Range (MHz)	1194 - 1255	1559 - 1610
VSWR	< 1.3:1	< 1.4:1
Peak Gain at Zenith	Typ. 5.1 dBic	Typ. 5.6 dBic
Axial ratio at Zenith	Typ. 1.5 dB	Typ. 0.7 dB
Average Gain	-3.9 dBic	-2.4 dBic
Isolation	-24 dB	-21dB
LNA (Voltage & Current)	N/A	
Feed Point Impedance	50 ohms	
Polarization	RHCP	
Size	41.0 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

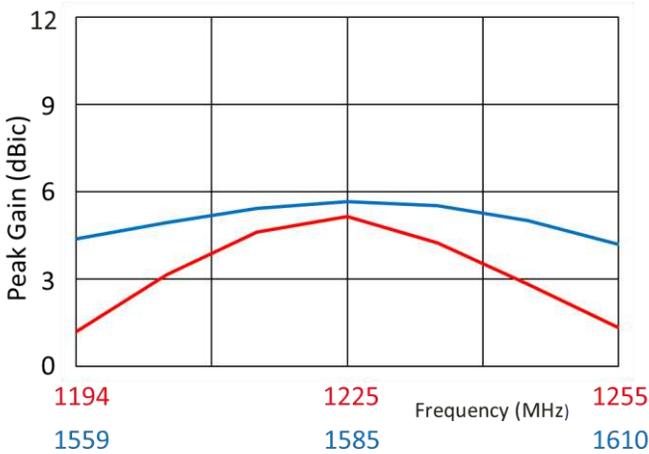
### VSWR



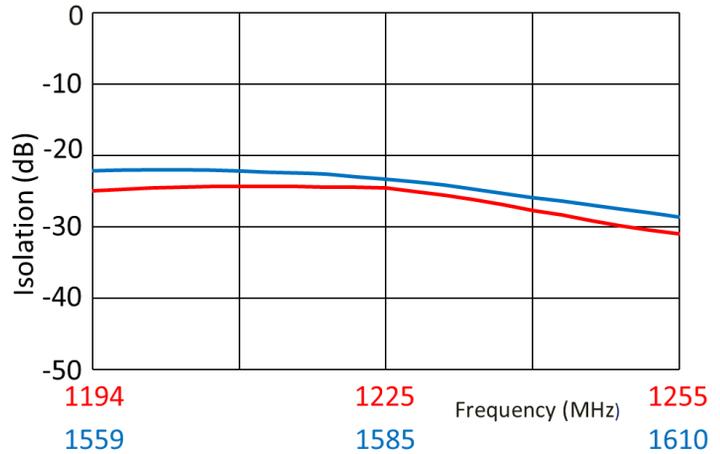
### Return Loss



### Peak Gain

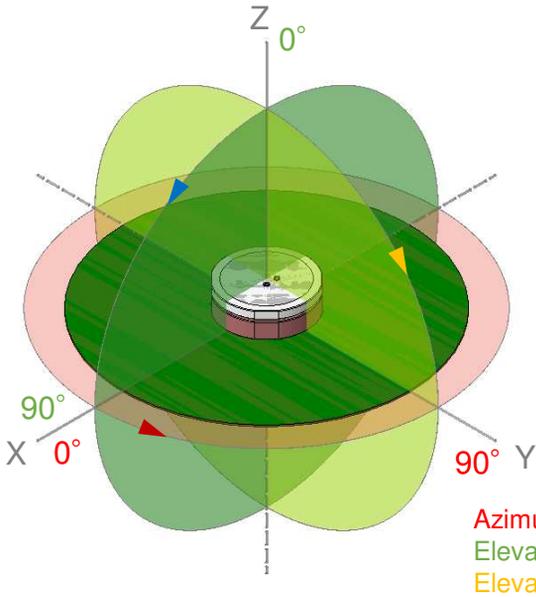


### Isolation

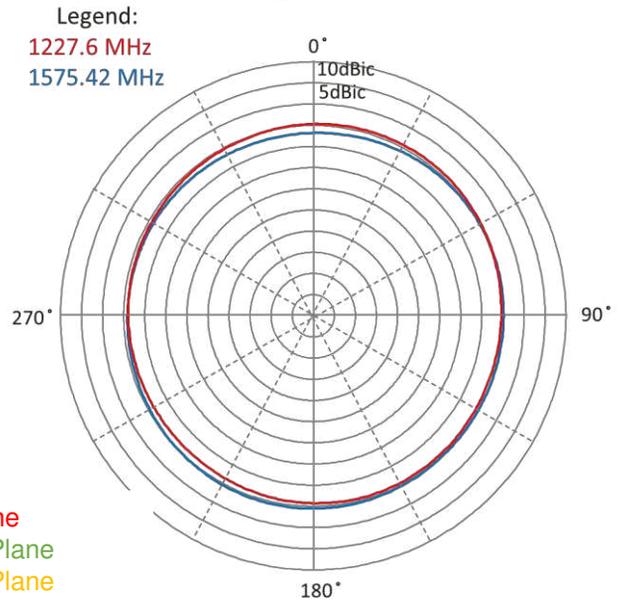


# RADIATION PATTERN

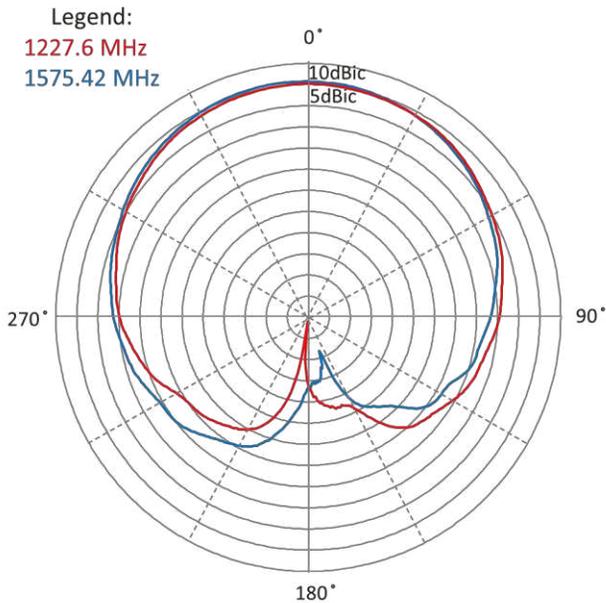
## Test setup



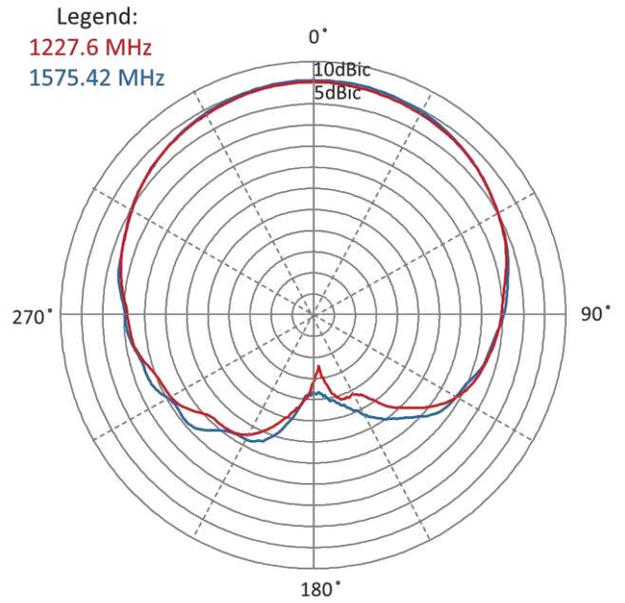
## Azimuth



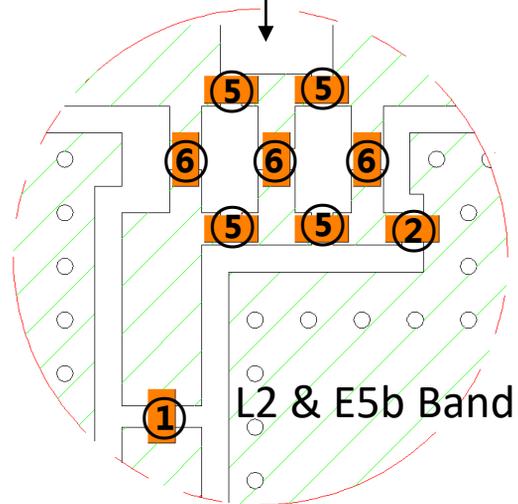
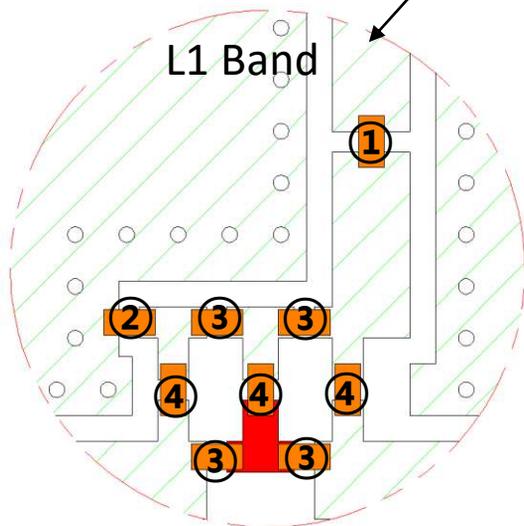
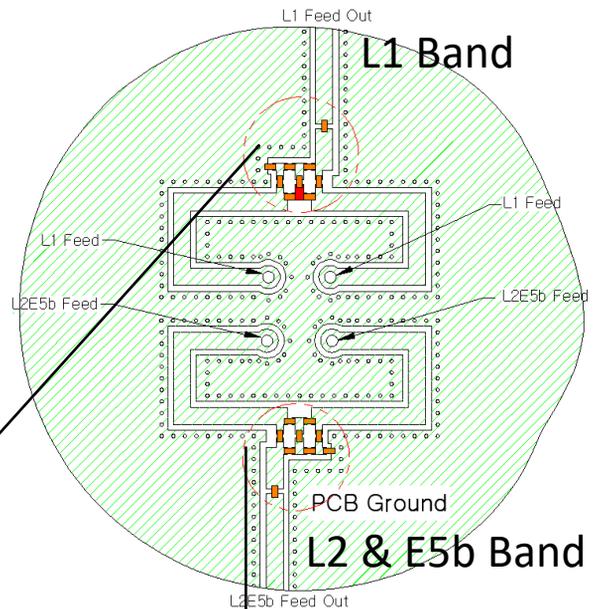
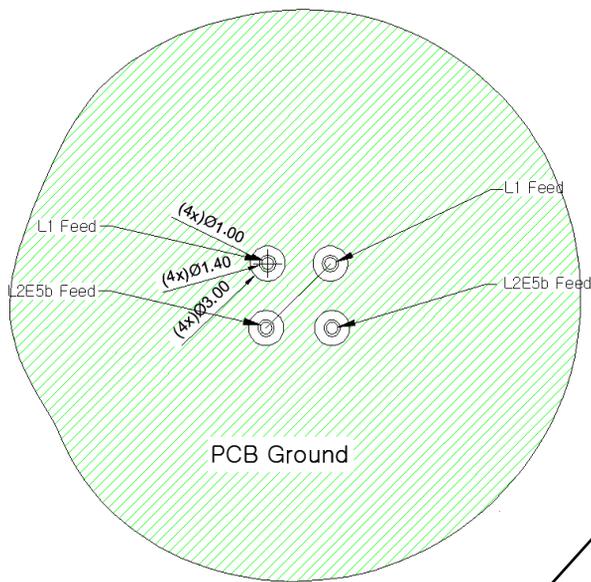
## Elevation 1



## Elevation 2



# MOUNTING GUIDE



 : No Soldermask

 : No Soldermask

- NOTES:** 1. Suggested matching component pads  
 2. Please contact us for more information  
 3. Measured with below matching circuit condition.

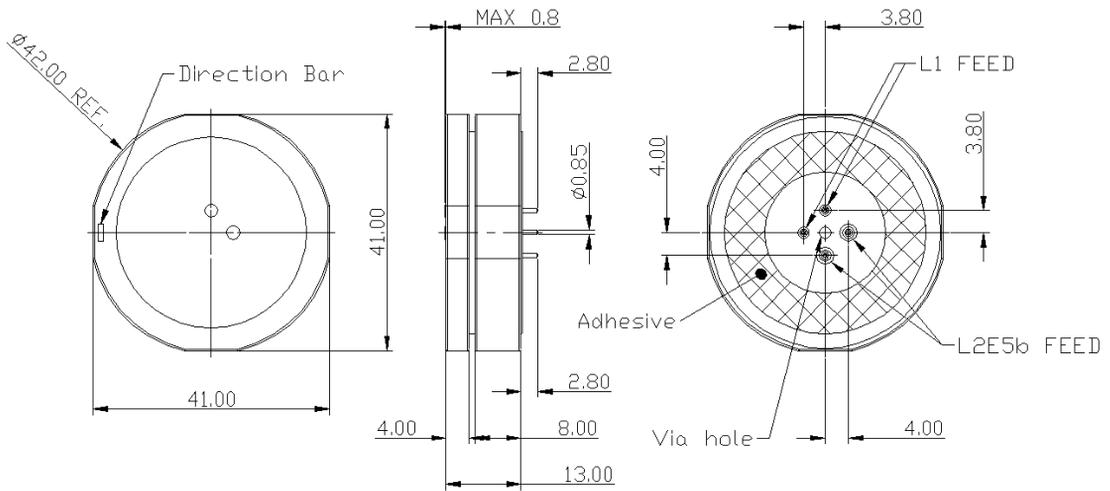
- ① 100pF ② 50ohm ③ 1.5pF ④ 4.7nH ⑤ 2.7pF ⑥ 6.8nH

Dimension: mm  
 Diagrams is not to scale

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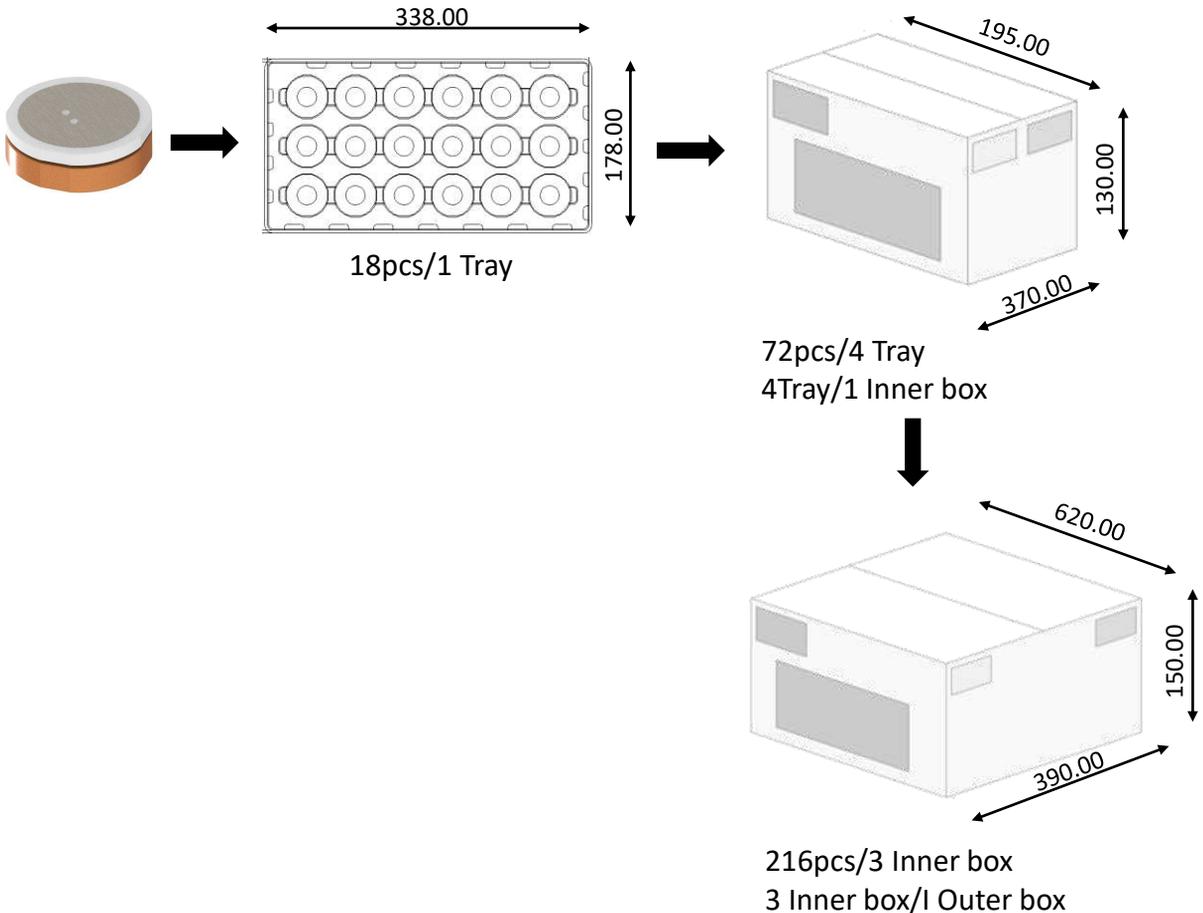
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## DIMENSIONS



Dimension: mm  
Diagrams is not to scale

## PACKAGING



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## TE TECHNICAL SUPPORT CENTER

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