



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

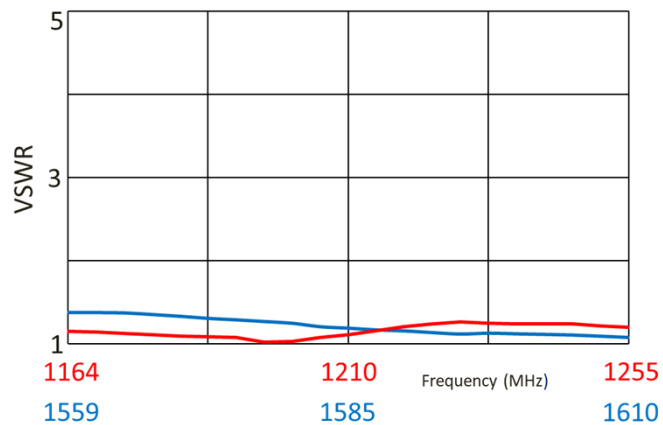
Frequency Range (MHz)	1164 - 1255	1559 - 1610
VSWR	< 1.3:1	< 1.4:1
Peak Gain at Zenith	Typ. 5.4 dBic	Typ. 6.0 dBic
Axial ratio at Zenith	Typ. 1.4 dB	Typ. 1.3 dB
Average Gain	-5.4dBic	-2.6 dBic
Isolation	-24 dB	-21dB
LNA (Voltage & Current)	N/A	
Feed Point Impedance	50 ohms	
Polarization	RHCP	
Size	41.0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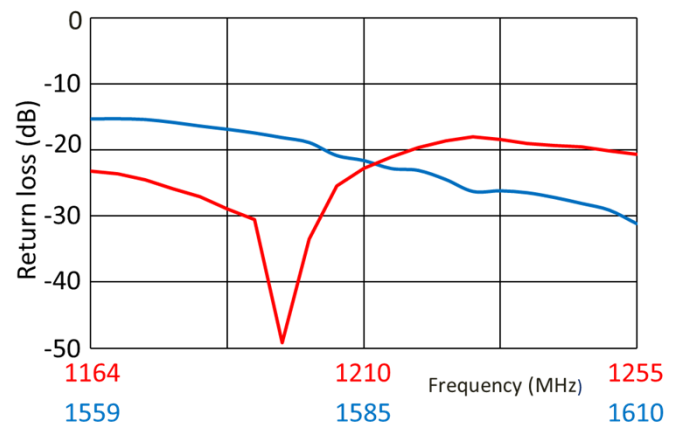
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RF DATA

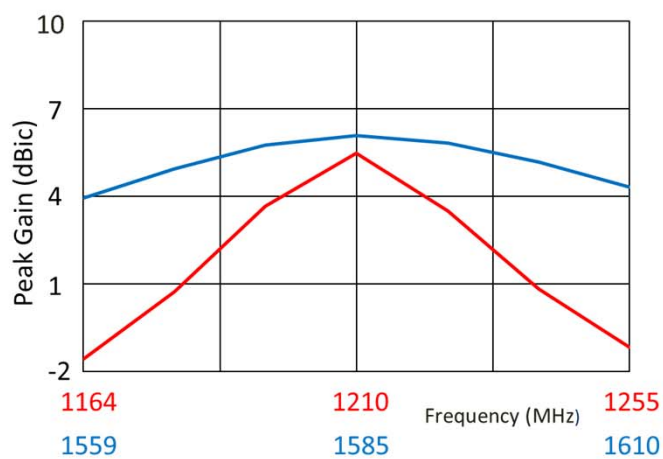
VSWR



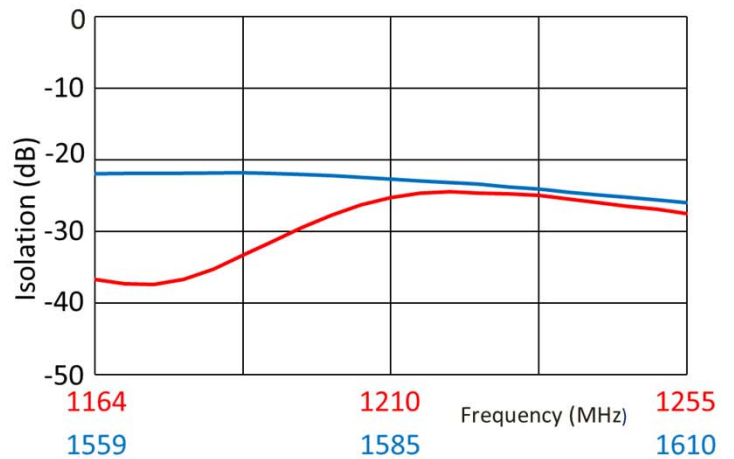
Return Loss



Peak Gain

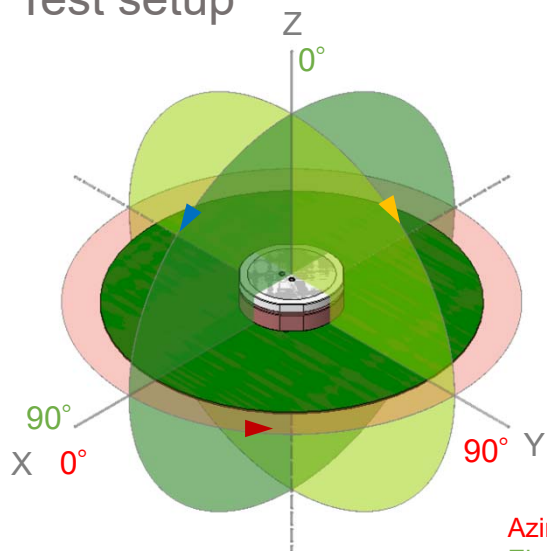


Isolation

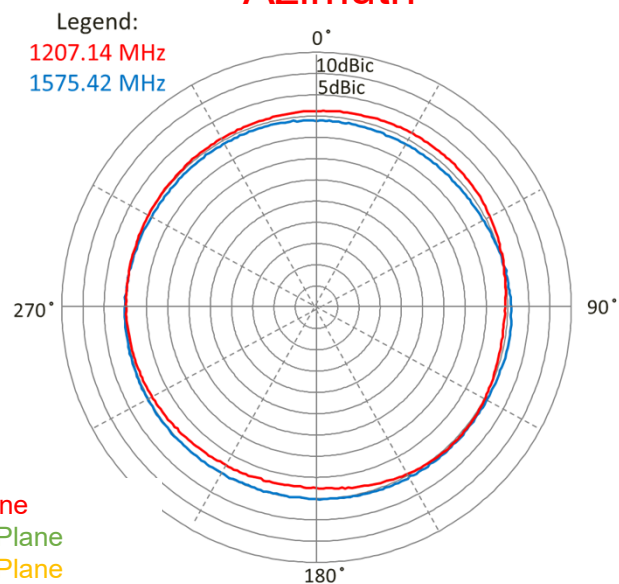


RADIATION PATTERN

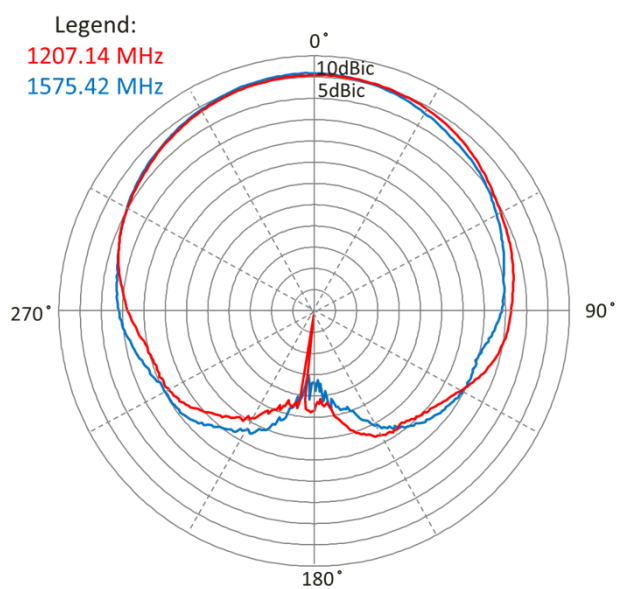
Test setup



Azimuth



Elevation 1



Elevation 2

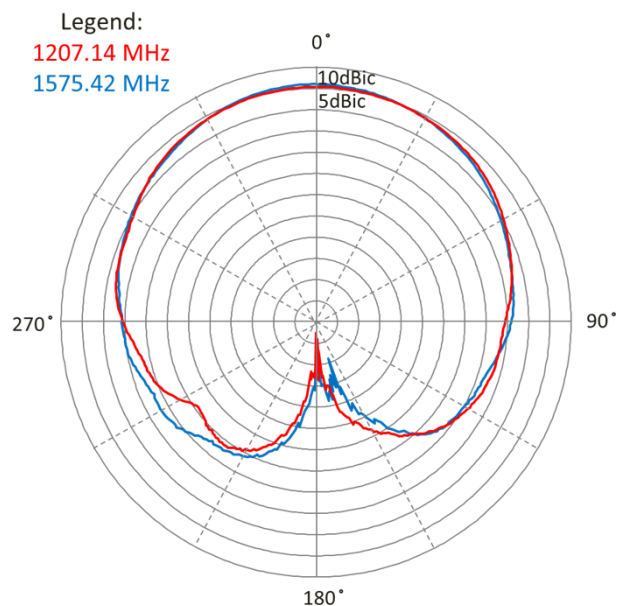


Figure 1: Top and Bottom Patterns of the PCB. The top pattern shows a central area with four circular pads labeled "L1 Feed" and "L2+L5 Feed". Dimensions are given: (4x)Ø1.00 for the L1 pads and (4x)Ø1.40 for the L2+L5 pads. The bottom pattern shows a more complex layout with a central area labeled "L1 Feed" and "L2+L5 Feed", and a bottom section labeled "L1 Feed Out" and "L2+L5 Feed Out". A legend indicates that orange squares represent "No Soldermask".

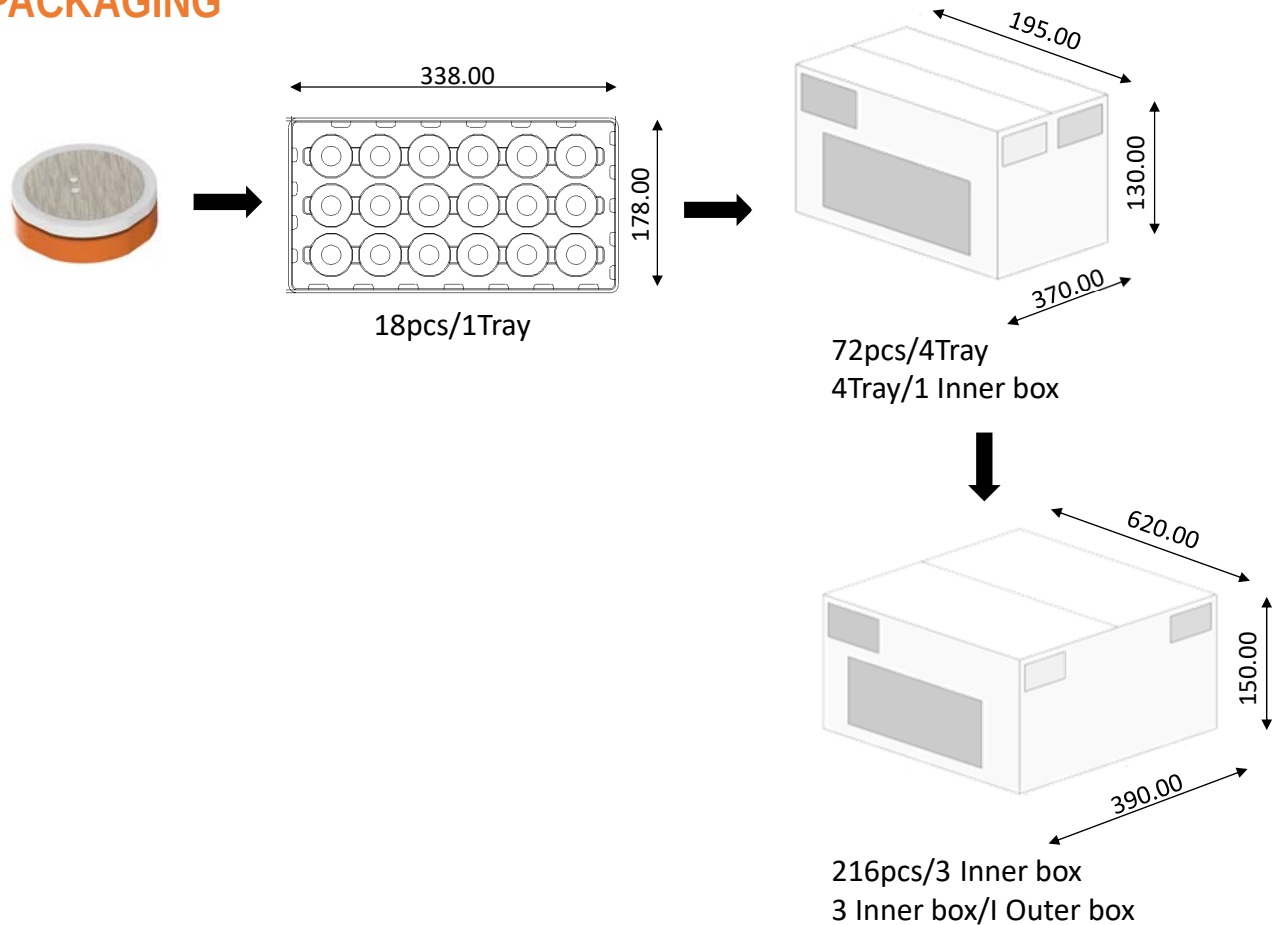
Dimension: mm
Diagrams is not to scale

DATA AND DEVICES /// 1164-1255, 1559-1610 MHz GNSS ANTENNA

1164-1255, 1559-1610 MHz GNSS ANTENNA

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PACKAGING



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