



Features:

- 1621MHz Patch antenna
- RHCP Polarization
- Zenith Gain +4dBiC
- High Efficiency 84%
- Size 25 x 25 x 4 mm
- Pin mount with adhesive tape
- Tray packing

Applications:

- Satellite receivers
- Tracking, Navigation, Satellite Positioning
- Fleet management
- Asset tracking

All dimensions are in mm / inches

Issue: 1710P

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

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ELECTRICAL SPECIFICATIONS

Frequency	1621±4 MHz
Nominal Impedance	50 Ω
Return Loss*	<-15 dB
RHCP Gain (typical)*	4 dBic
Zenith Axial Ratio(typical)*	2.1 dB @1621MHz
Polarization:	RHCP

MECHANICAL SPECIFICATIONS

Overall Length	25x25x4mm
Weight	9.7g

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-40~+85 °C
Storage Temperature	-40~+85 °C
RoHS Compliant	Yes

* Test the antenna on 60mmX60mm metal plane

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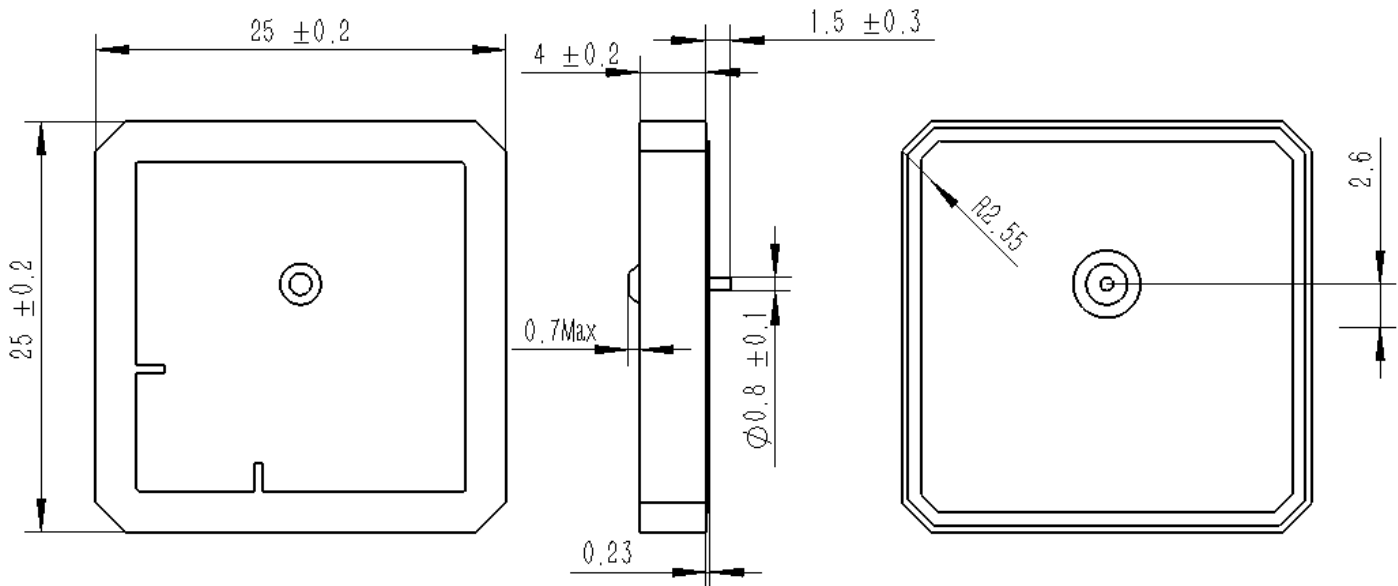
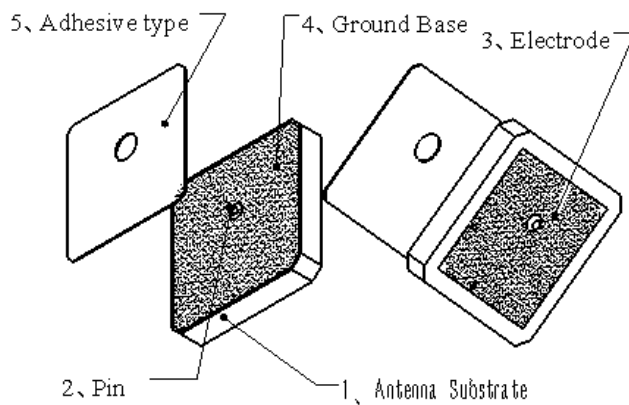
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Series: Patch Antenna

Description: CERAMIC PATCH
ANTENNA, 25x25x4mm GNSS PIN MOUNT
PART NUMBER: W3228

MECHANICAL DRAWING



Scale: 1:1

NO.	Description	Structure and material
1	Antenna Substrate	Dielectric Ceramics
2	Pin	Copper and tinplated
3	Electrode	Ag Plated
4	Ground Base	Ag Plated
5	Adhesive type	NITTO 5000NS

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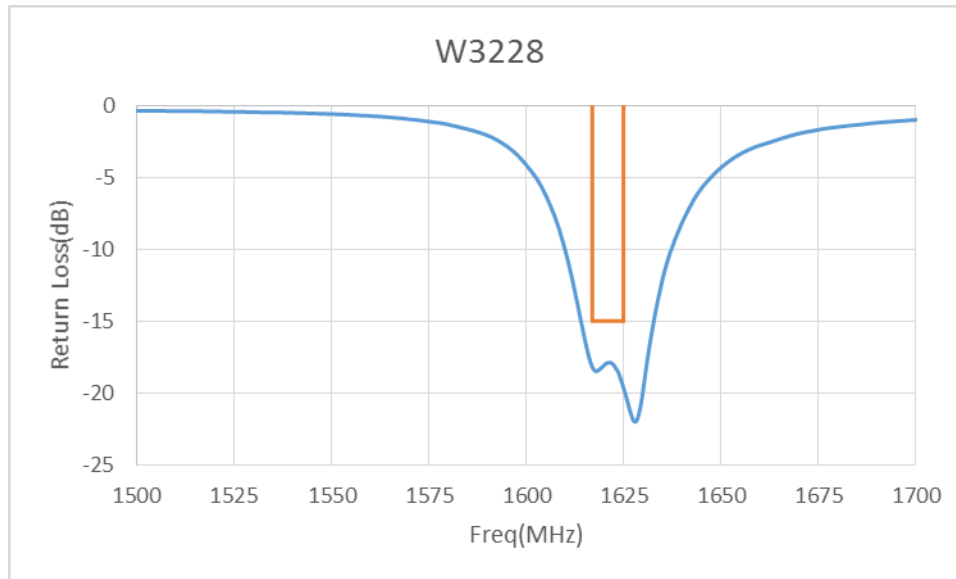
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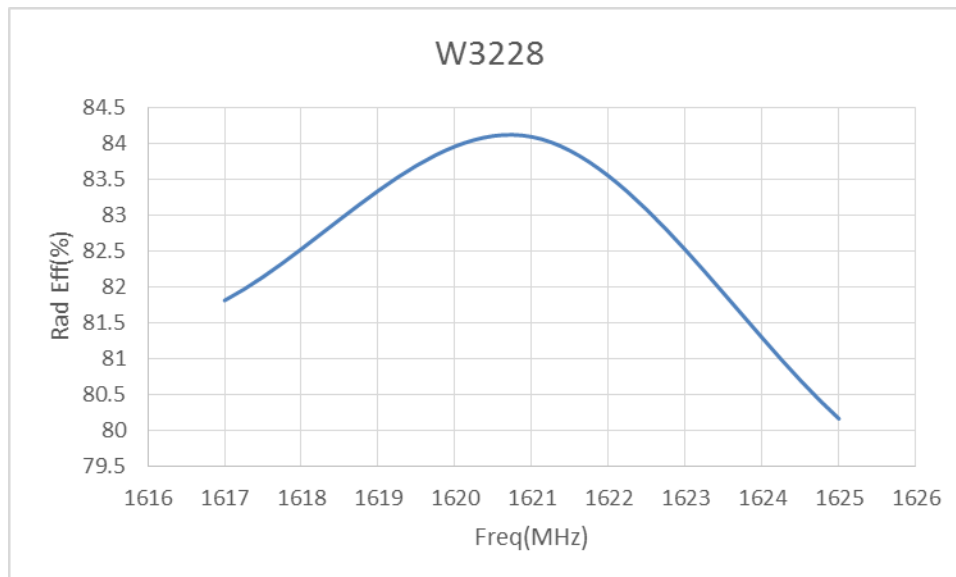
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CHARTS



Return Loss*



Zenith total Radiation Efficiency

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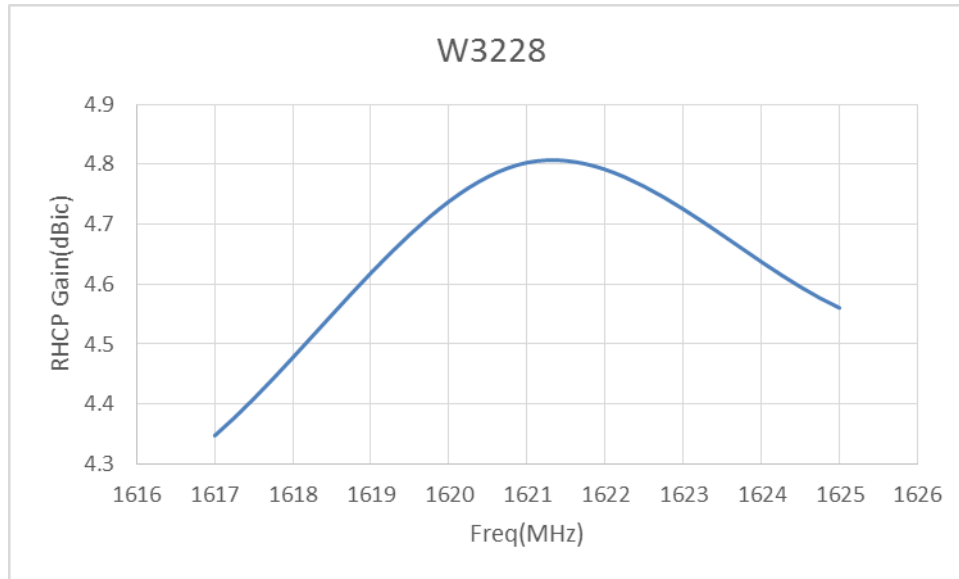
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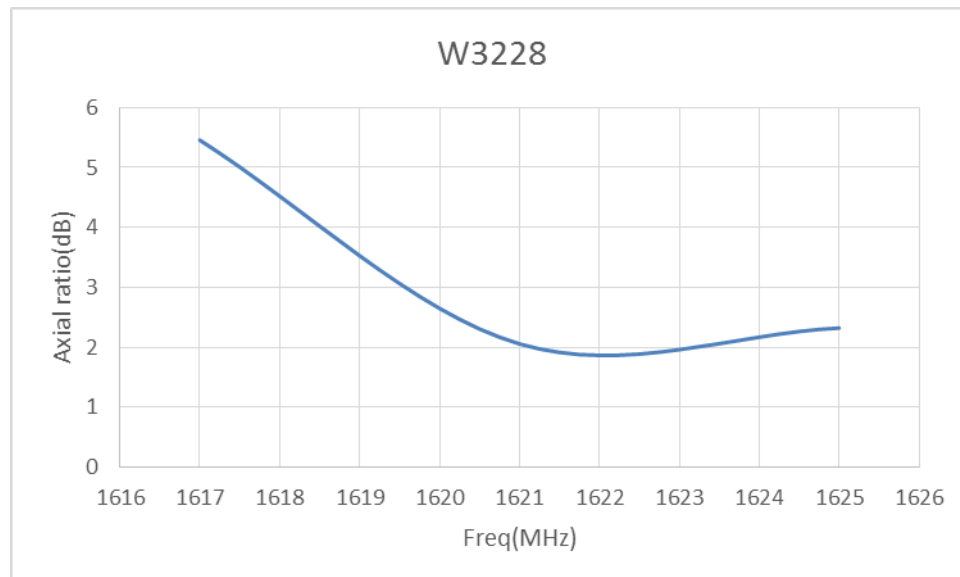
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CHARTS



Zenith RHCP Gain*



Zenith Axial Ratio*

* Test the antenna on 60mmX60mm metal plane

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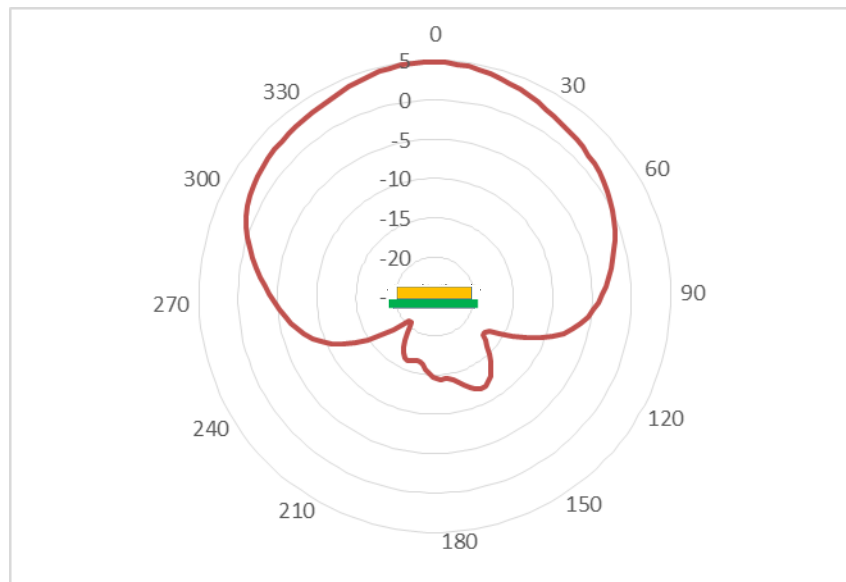
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CHARTS



Radiation pattern on 60mmX60mm metal plane

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PACKAGING

Tray packing
50PCS/Tray
200PCS/small carton box
800PCS/big carton box
Big box dimensions (MM): 472x240x290

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