

Series: Patch Antenna

TECHNICAL DATA SHEET

Description: CERAMIC PATCH

ANTENNA,25x25x4mm GNSS PIN MOUNT

PART NUMBER: W3228



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: 1909

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

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ELECTRICAL SPECIFICATIONS

Frequency 1621±4 MHz

Nominal Impedance 50Ω

Return Loss* < -15 dB

RHCP Gain (typical)* dBic

Zenith Axial Ratio(typical)* 2.1 dB @1621MHz

Polarization: **RHCP**

MECHANICAL SPECIFICATIONS

Overall Length 25x25x4mm Weight 9.7q

ENVIRONMENTAL SPECIFICATIONS

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

^{*} Test the antenna on 60mmX60mm metal plane







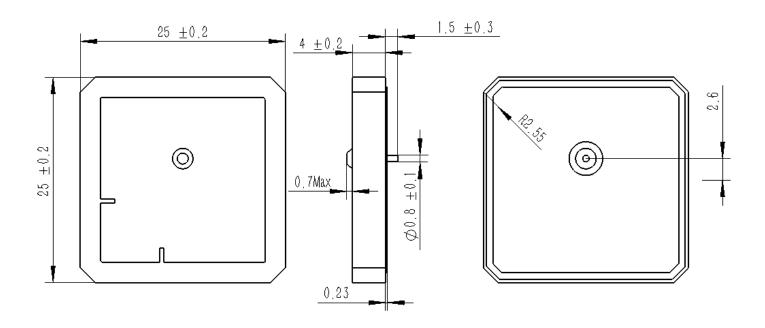
Description: CERAMIC PATCH

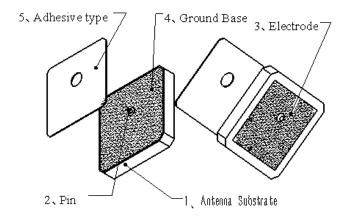
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MECHANICAL DRAWING





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

Scale: 1:1



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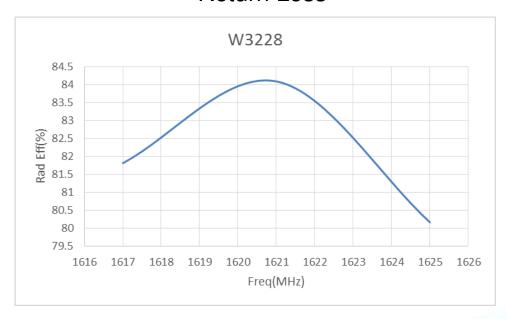
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CHARTS



Return Loss*



Zenith total Radiation Efficiency

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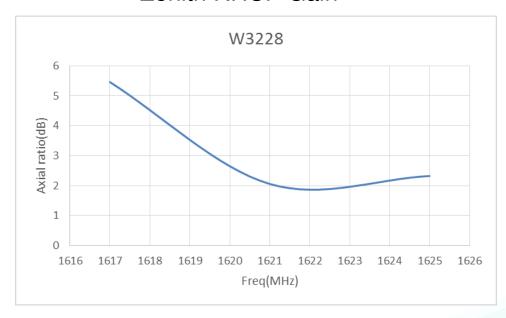
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CHARTS



Zenith RHCP Gain*



Zenith Axial Ratio*

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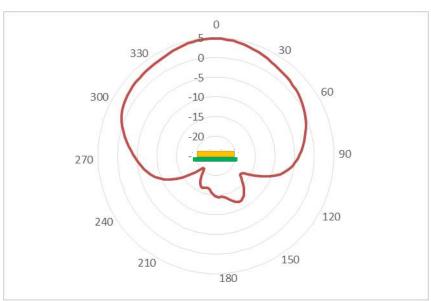
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CHARTS



Radiation pattern on 60mmX60mm metal plane





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PACKAGING

Tray packing 50PCS/Tray

2 Tray / vacuum bag

2 vacuum bag /small carton box

2 small carton box/ big box

Total: 400PCS/big carton box

Big box dimensions (MM): 460x235x140