

Description: 25x25x4mm GPS/Glonass Pin Mount

Series: Ceramic Patch

PART NUMBER: W3223

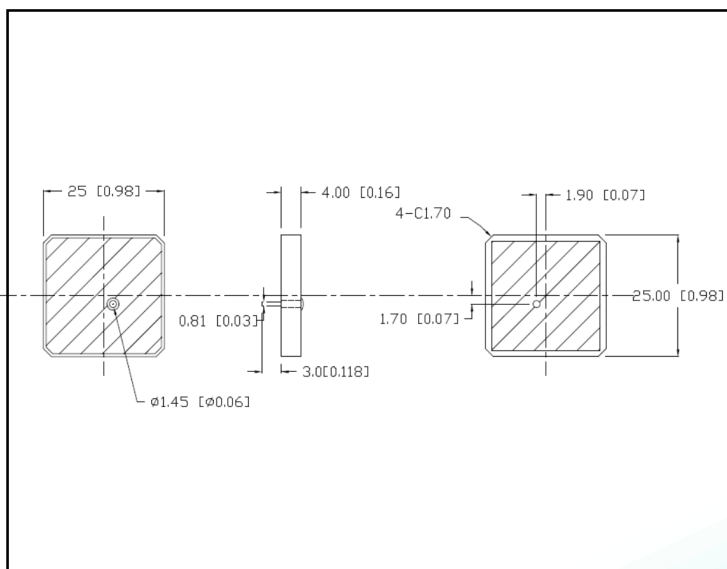


Features:

- 1575/1602MHz Dualband single feed antenna
- RHCP Polarization
- Zenith Gain +4dBiC
- Pin mounting
- Tray packing
- Moisture sensitivity level:MSL1

Applications:

- GPS and Glonass satellite receivers
- Tracking, Navigation, Satellite Positioning
- Fleet management
- Asset tracking



All dimensions are in mm / inches

Issue: 1910

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	1575.42±1.023/1602.5625±4 MHz
Nominal Impedance	50 Ω
Return Loss*	<-10 dB
RHCP Gain (typical)*	4 dBiC
Zenith Axial Ratio(typical)*	3.8
Polarization:	RHCP

* Measured on 70 x 70 mm reference board

* Test the antenna on 70mmX70mm metal plane

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MECHANICAL SPECIFICATIONS

Material	Ceramic
Metallization	Silver
Size	25 x 24 x 4 mm
Weight	9.3 g
Mounting type	Pin feed

ENVIRONMENTAL SPECIFICATIONS

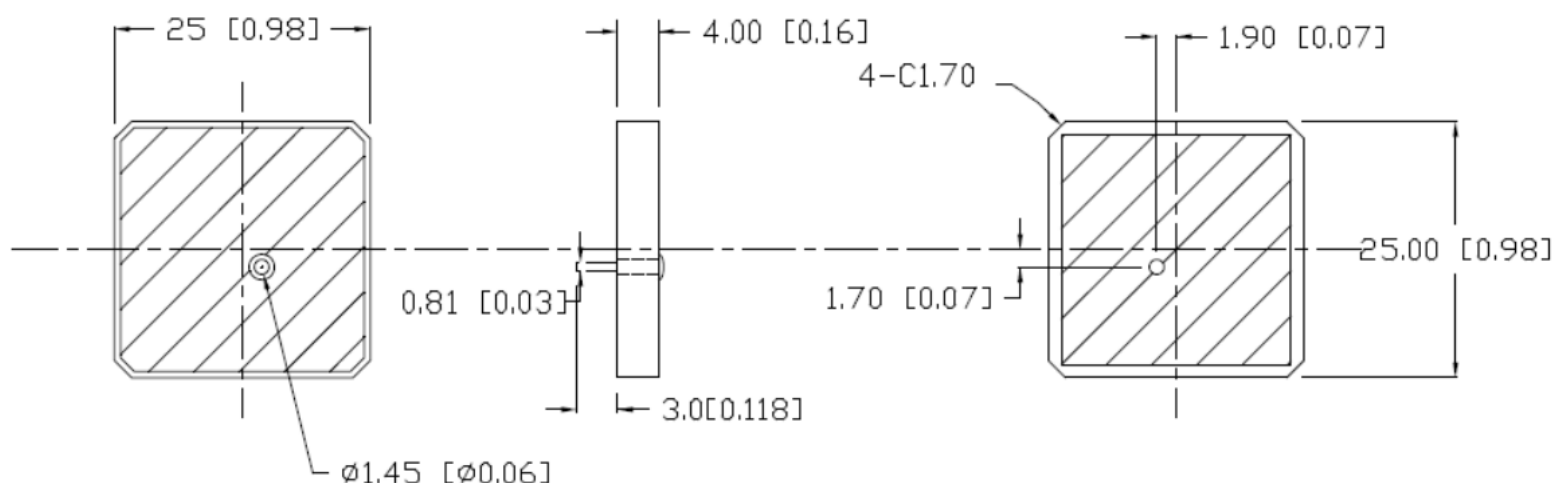
Operating temperature	-40/+85 ° C
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MECHANICAL DRAWING



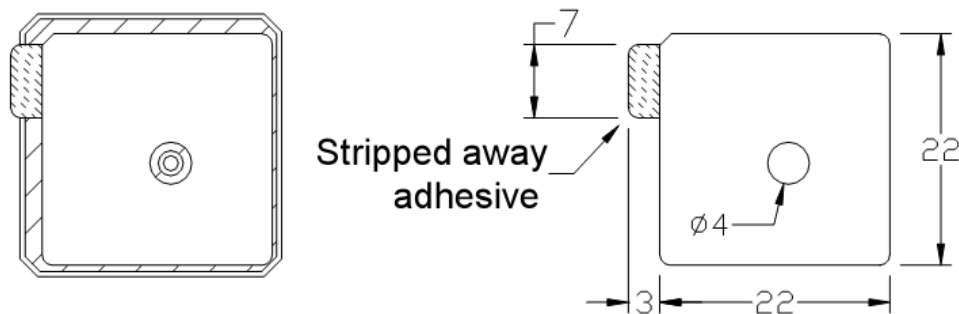
Adhesive Transfer Tape Specification

TAPE: Nitto 5000NS 22*22*0.16mm

Thickness : $0.16 \pm 5\%$ mm

Release Liner : 0.1mm (typ.) printed paper or paper

Dimension : mm



Patch bottom

Tolerance: $\pm 0.2\text{mm}$

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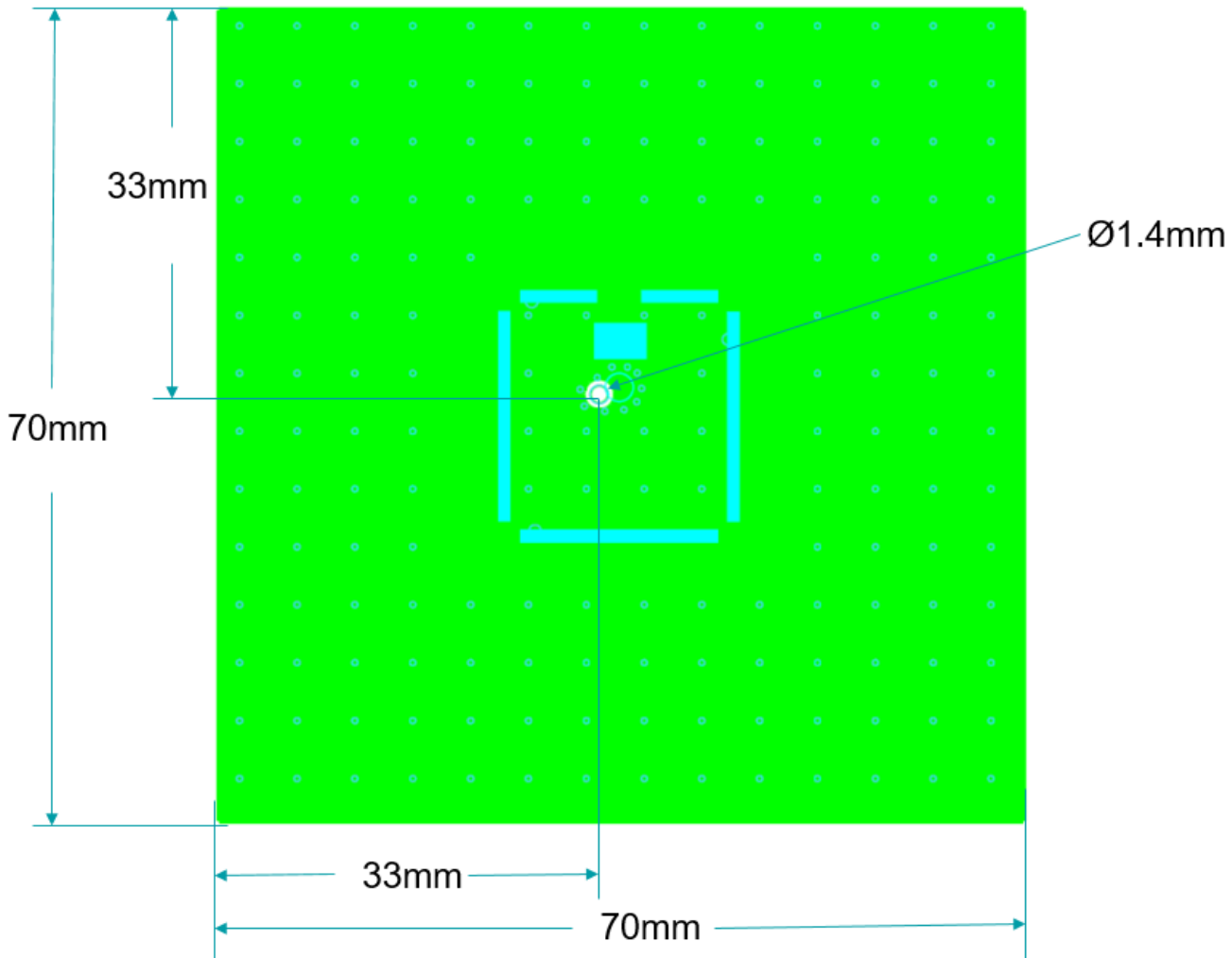
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OTHER SPECIFICATIONS

Test Condition Ground Plane (Example for PCB 1 mm)



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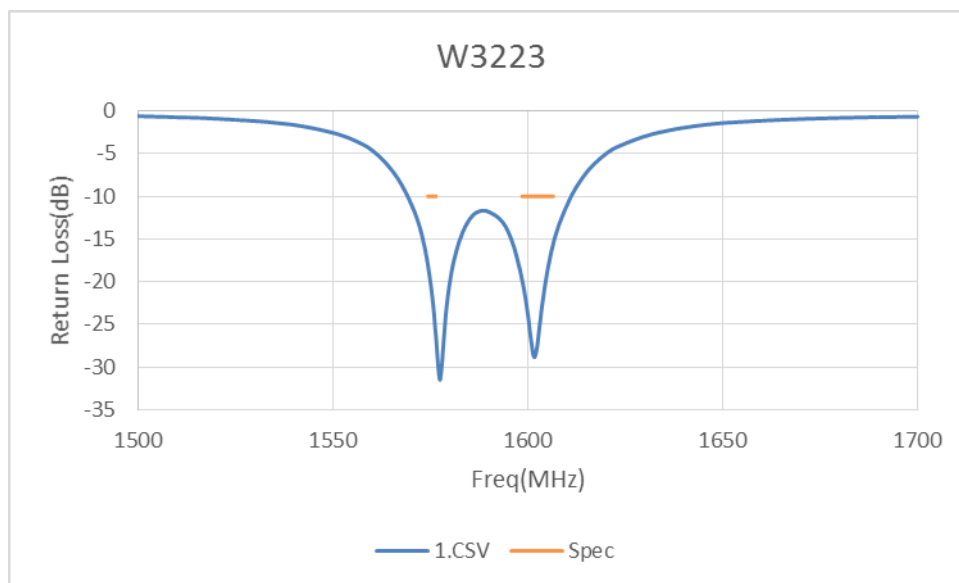
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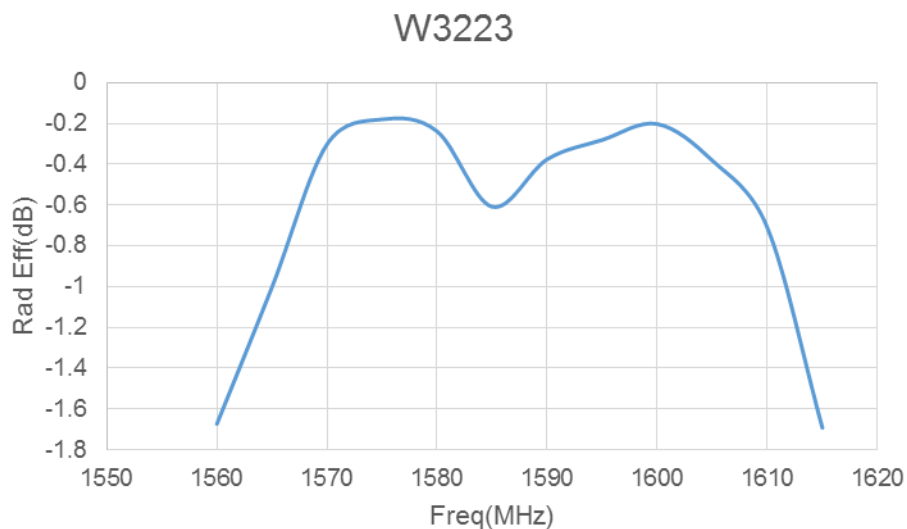
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CHARTS



Return Loss



Total Radiation Efficiency

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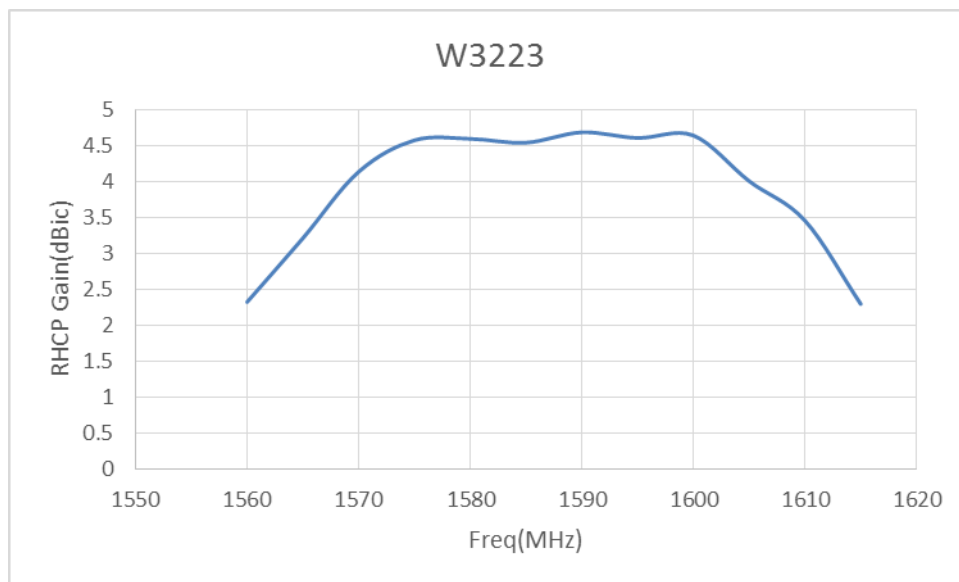
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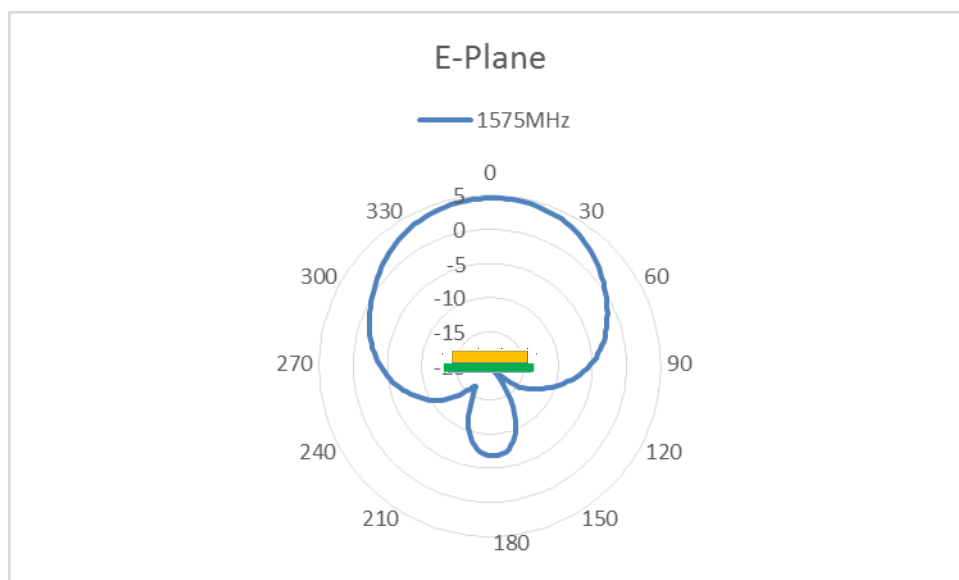
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CHARTS



Zenith RHCP Gain



GPS Radiation pattern on 70mmX70mm metal plane

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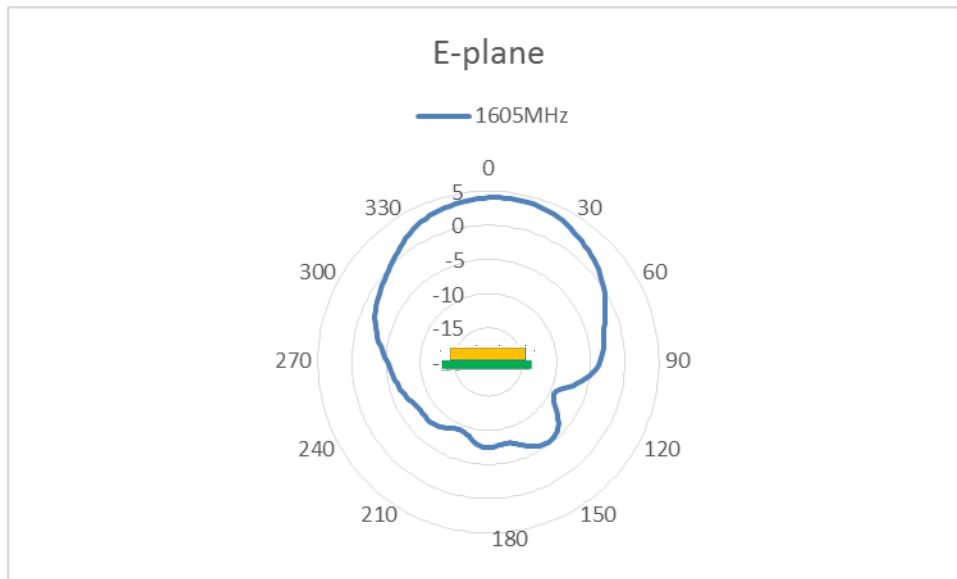
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Glonass Radiation pattern on 70mmX70mm metal plane

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PACKAGING

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

Mouser Electronics

Authorized Distributor

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Pulse:

W3223