

Series: Ceramic Patch Antenna

TECHNICAL DATA SHEET

Description: 2.4-2.5GHz RHCP 25x25x4mm

6.5dBic patch antenna

PART NUMBER: W3229



Features:

2400-2500 MHz

Size: 25x25x4mm

Polarization: RHCP

Gain: +6.5dBic

Pin feed, adhesive tape

RoHS compliant

Moisture sensitivity level:MSL1

Applications:

- 2.4-2.5GHz ISM Band radios
- · WiFi, Bluetooth
- Applications requiring high gain directional antenna pattern

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. CONFIDENTIAL AND PROPRIETARY INFORMATION

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ELECTRICAL	SPECIFICATIONS
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Frequency	2400-2500MHz
Nominal Impedance	50 Ω
Return Loss	-7dB
Axial Ratio(typical)	3dB
Peak Gain	6.5dBic
Efficiency	80%
Polarization	RHCP

MECHANICAL SPECIFICATIONS

Overall Length 25x25x4mm

Weight 8.08g

MSL Level Not applicable for non-reflow part

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature -40~+105° C

RoHS Compliant Yes

(*) All RF parameters measured on 70*70mm metal ground plane in free space.





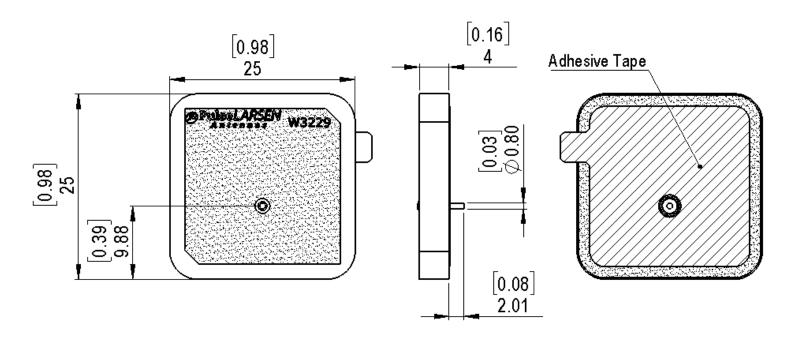
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MECHANICAL DRAWING



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



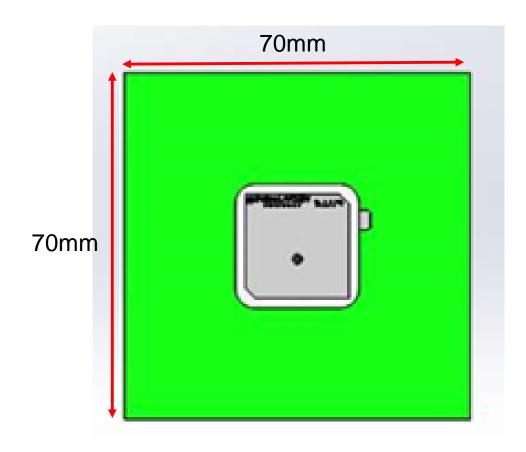
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TEST SETUP



Test on 70*70mm metal ground plane in free space.



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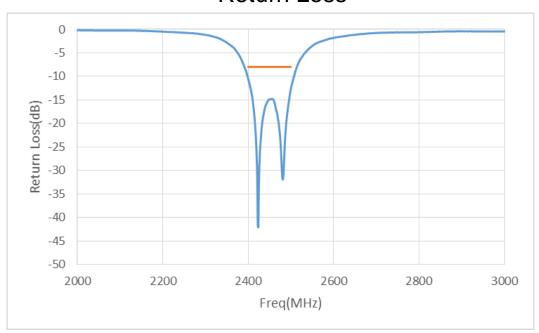
6.5dBic patch antenna

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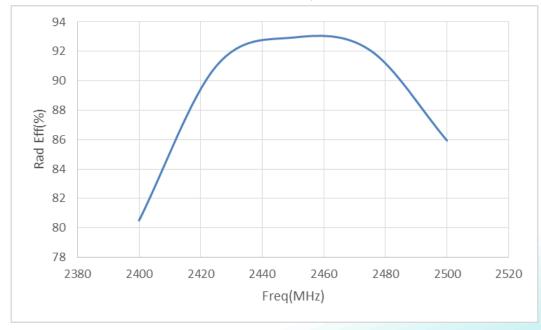
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CHARTS

Return Loss



Efficiency(%)



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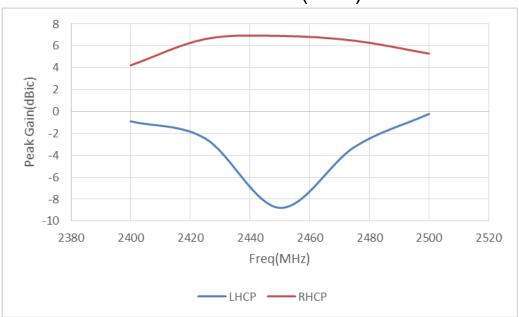
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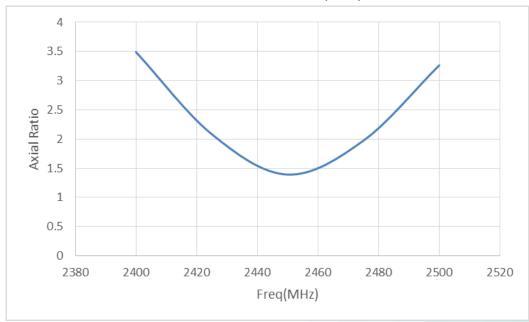
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CHARTS

Peak Gain(dBic)



Axial Ratio(dB)



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ROHS



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CHARTS

Radiation Pattern (2450MHz)

