

Description: 2.4-2.5GHz RHCP 25x25x4mm
6.5dBic patch antenna

Series: Ceramic 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

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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	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

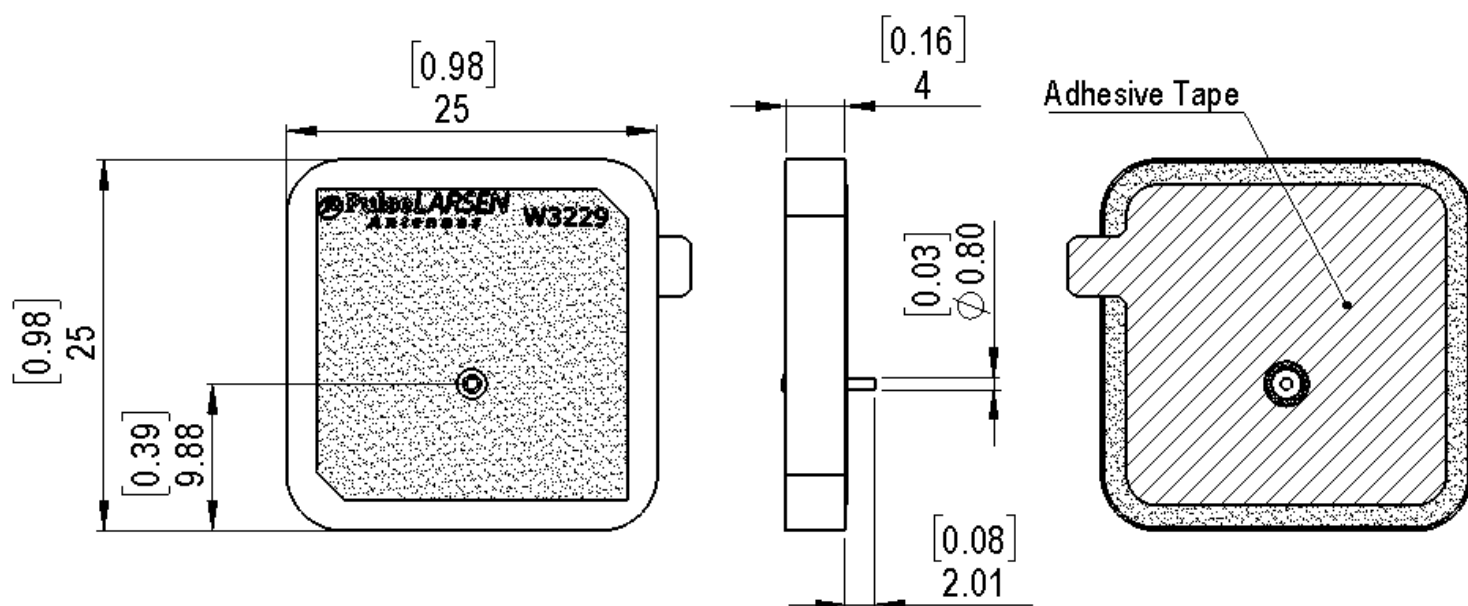
(*) All RF parameters measured on 70*70mm metal ground plane in free space.

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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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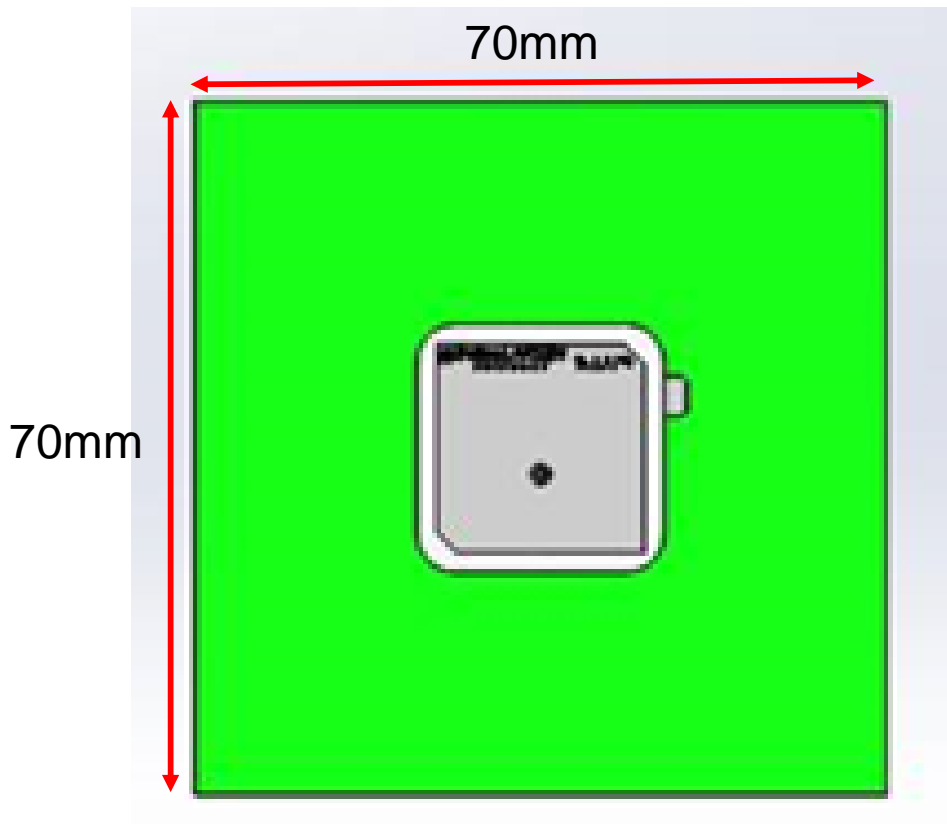
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TEST SETUP



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

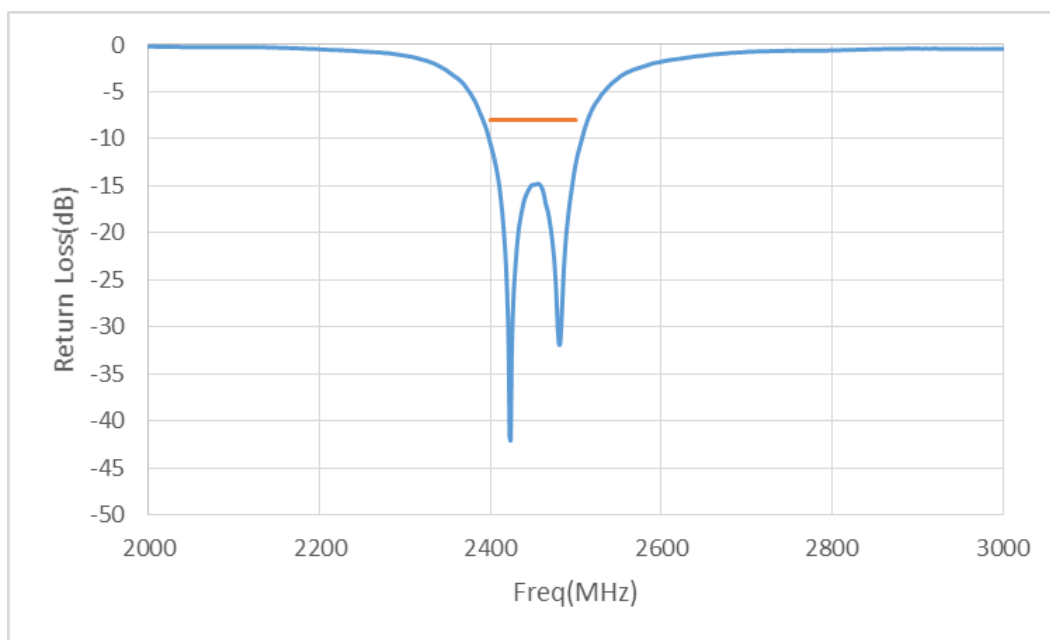
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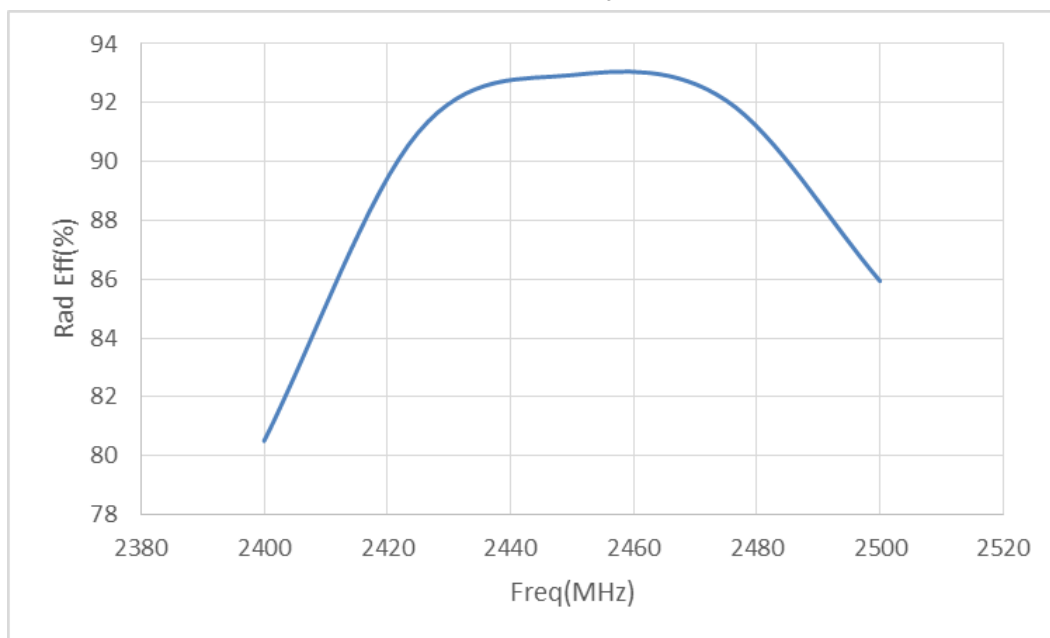
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CHARTS

Return Loss



Efficiency(%)



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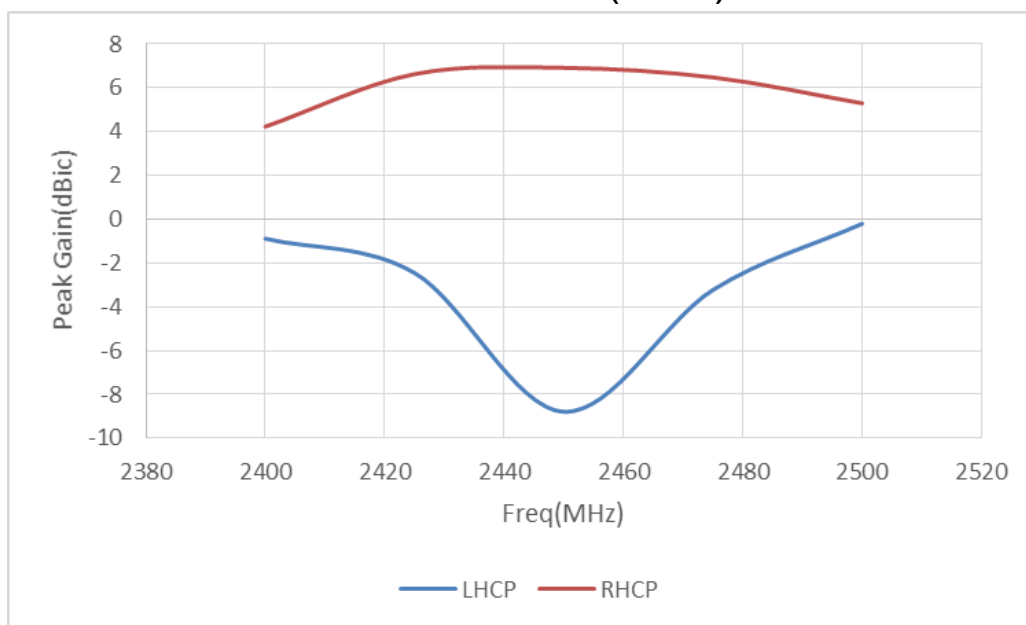
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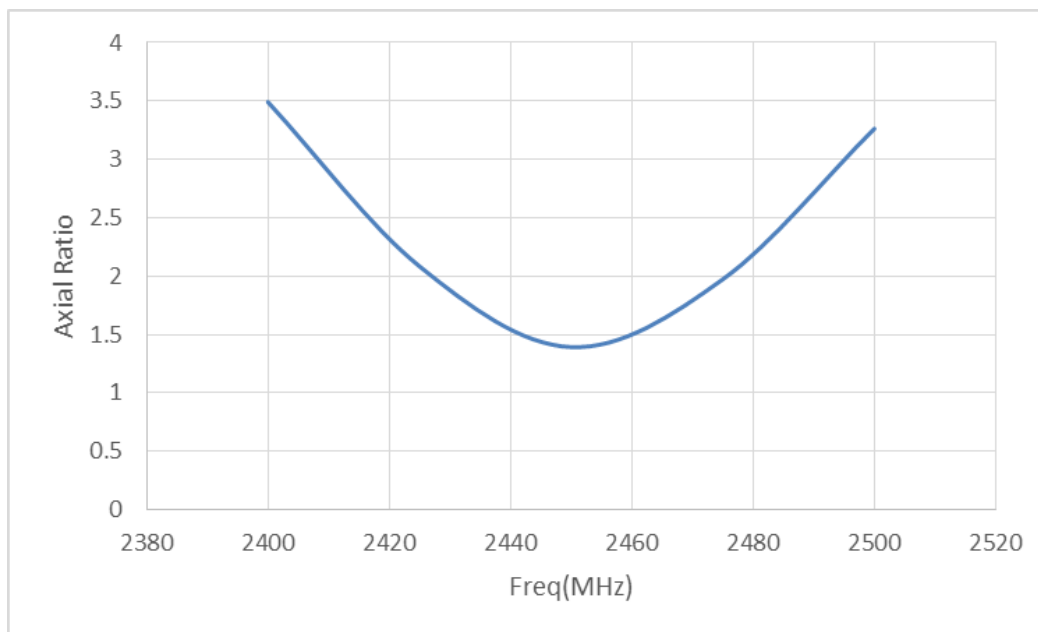
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CHARTS

Peak Gain(dBic)



Axial Ratio(dB)



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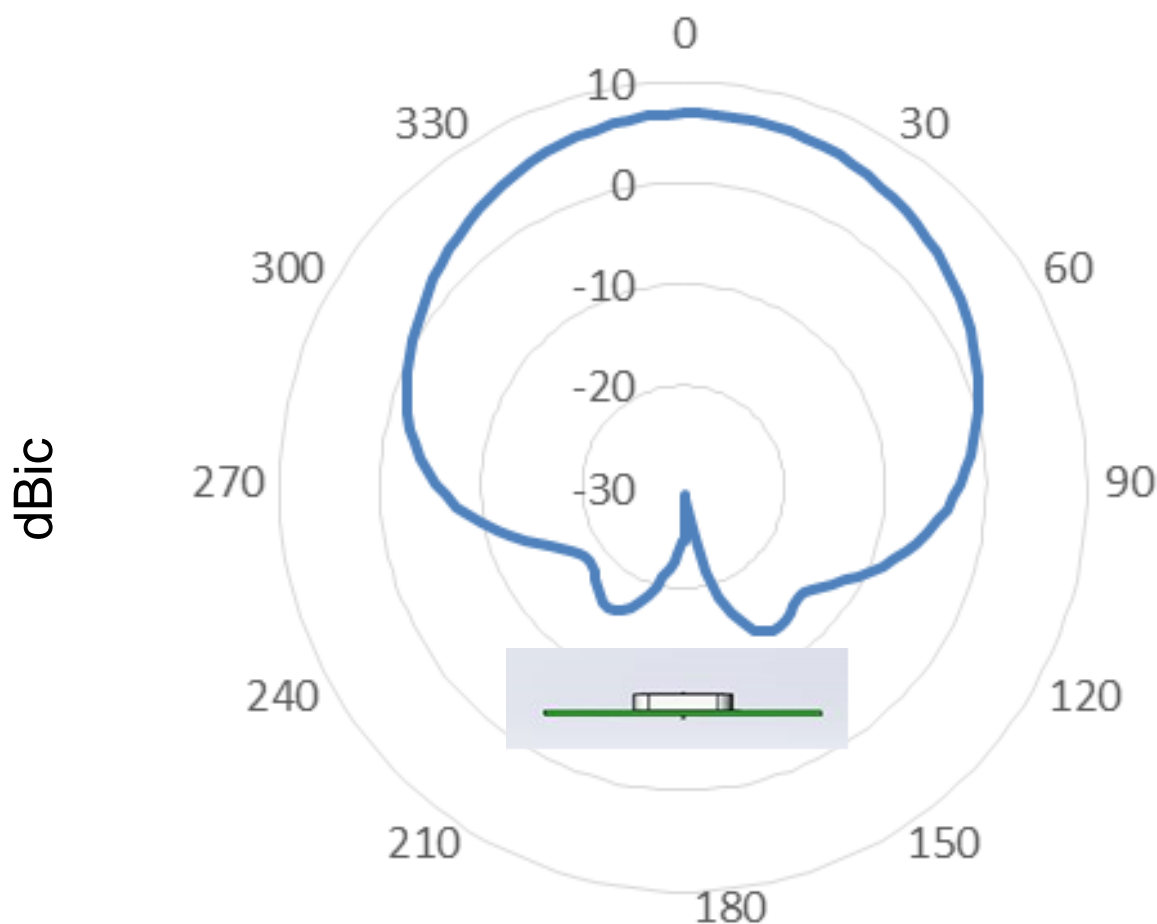
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CHARTS

Radiation Pattern (2450MHz)



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PACKAGING

40pcs antennas per tray

15pcs trays per box

Outside box size : 285mm*375mm*200mm

600pcs antennas per outside box

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

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- Поставка сложных, дефицитных, либо снятых с производства позиций;
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- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
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JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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