

Series: Ceramic Patch Antenna

TECHNICAL DATA SHEET Description: 2.4-2.5GHz 18x18x4mm Pin Feed Patch

PART NUMBER: W3230



### **Features:**

- 2400-2500 MHz
- Size: 18x18x4mm
- · Polarization: RHCP
- Gain: +6dBic
- Pin feed, adhesive tape
- RoHS compliant

## **Applications:**

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

#### All dimensions are in mm / inches

#### Issue: 1838

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	2400-2500MHz
Nominal Impedance	50 Ω
Return Loss	-4dB
Axial Ratio(typical)	3dB
Peak Gain	6dBic
Efficiency	60%
Polarization	RHCP
Power Withstanding	5W

Overall Length Weight MSL Level

18x18x4mm 4.87g

Not applicable for non-reflow part

### **ENVIRONMENTAL SPECIFICATIONS**

Operating Temperature RoHS Compliant -40~+105° C 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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## CHARTS



Efficiency(%)



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## CHARTS



# Peak Gain(dBic)



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### **CHARTS**

# Radiation Pattern (2450MHz)



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## PACKAGING

60pcs antennas per tray

15pcs trays per box

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

900pcs antennas per outside box

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