

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

This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything it may describe. Reproduction, disclosure or use without specific written authorization of Pulse is strictly forbidden. For more information:

Pulse Worldwide Headquarters 15255 Innovation Drive #100 San Diego, CA 92128 USA Tel:1-858-674-8100 Pulse/Larsen Antennas 18110 SE 34th St Bldg 2 Suite 250 Vancouver, WA 98683 USA Tel: 1-360-944-7551 Europe Headquarters Pulse GmbH & Do, KG Zeppelinstrasse 15 Herrenberg, Germany Tel: 49 7032 7806 0 Pulse (Suzhou) Wireless Products Co, Inc. 99 Huo Ju Road(#29 Bldg,4th Phase Suzhou New District Jiangsu Province, Suzhou 215009 PR China Tel: 86 512 6807 9998



TECHNICAL DATA SHEET

Description: 2.4-2.5GHz 18x18x4mm Pin

Feed Patch

PART NUMBER: W3230

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	

MECHANICAL SPECIFICATIONS

Overall Length 18x18x4mm

Weight 4.87g

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.

ROHS



TECHNICAL DATA SHEET

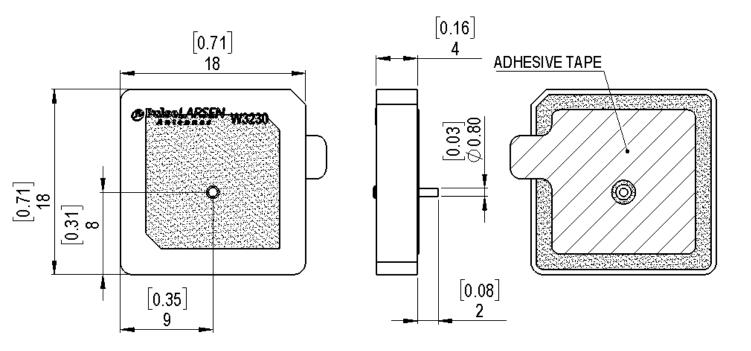
Description: 2.4-2.5GHz 18x18x4mm Pin

Feed Patch

PART NUMBER: W3230

Series: Ceramic Patch Antenna

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



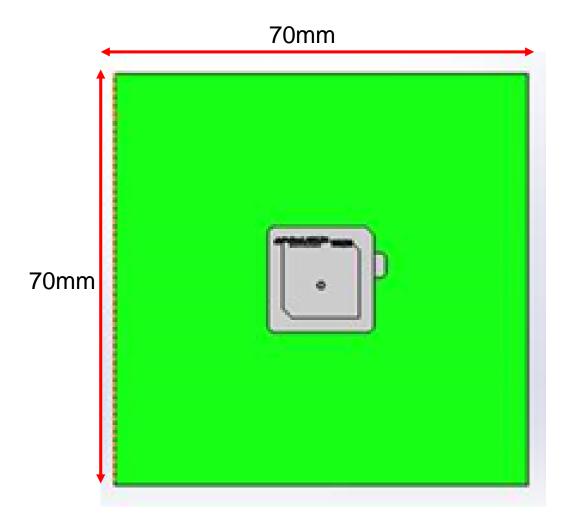
TECHNICAL DATA SHEET

Description: 2.4-2.5GHz 18x18x4mm Pin

Feed Patch

PART NUMBER: W3230

TEST SETUP



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



TECHNICAL DATA SHEET

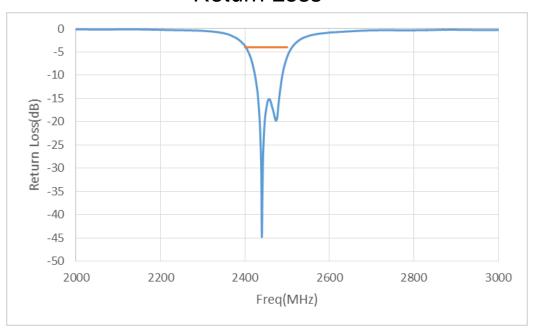
Description: 2.4-2.5GHz 18x18x4mm Pin

Feed Patch

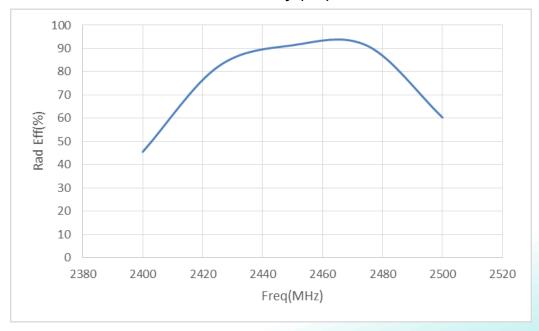
PART NUMBER: W3230

CHARTS

Return Loss



Efficiency(%)



Issue: 1838



TECHNICAL DATA SHEET

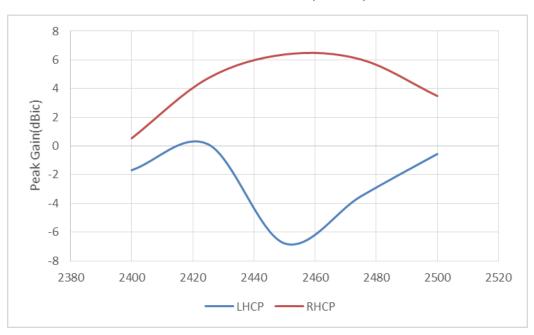
Description: 2.4-2.5GHz 18x18x4mm Pin

Feed Patch

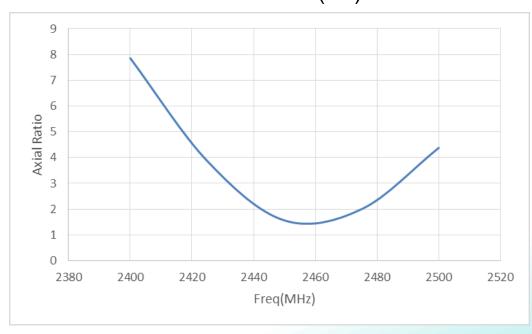
PART NUMBER: W3230

CHARTS

Peak Gain(dBic)



Axial Ratio(dB)



Issue: 1838

ROHS



TECHNICAL DATA SHEET

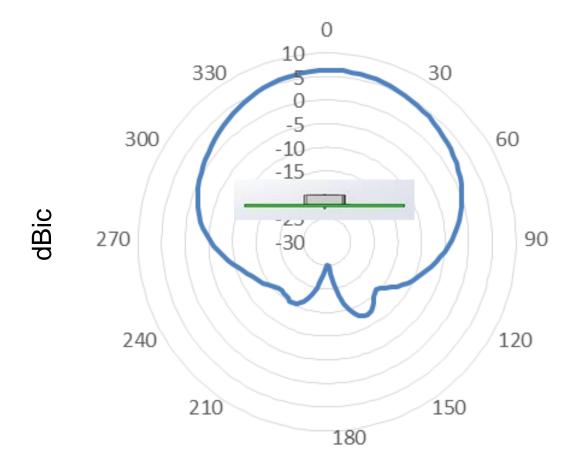
Description: 2.4-2.5GHz 18x18x4mm Pin

Feed Patch

PART NUMBER: W3230

CHARTS

Radiation Pattern (2450MHz)









TECHNICAL DATA SHEET

Description: 2.4-2.5GHz 18x18x4mm Pin

Feed Patch

PART NUMBER: W3230

PACKAGING

60pcs antennas per tray

15pcs trays per box

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

900pcs antennas per outside box

