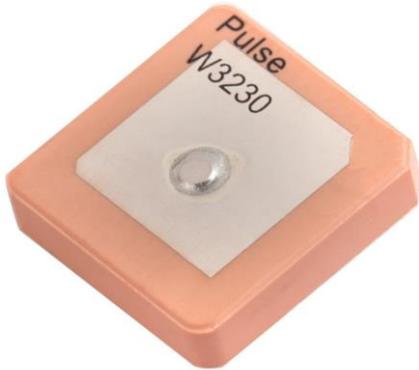


Description: 2.4-2.5GHz 18x18x4mm Pin Feed Patch

Series: Ceramic Patch Antenna

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: 1748

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



Description: 2.4-2.5GHz 18x18x4mm Pin
Feed Patch

PART NUMBER: W3230

**Series: Ceramic Patch
Antenna**

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

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-40~+105° C
RoHS Compliant	Yes

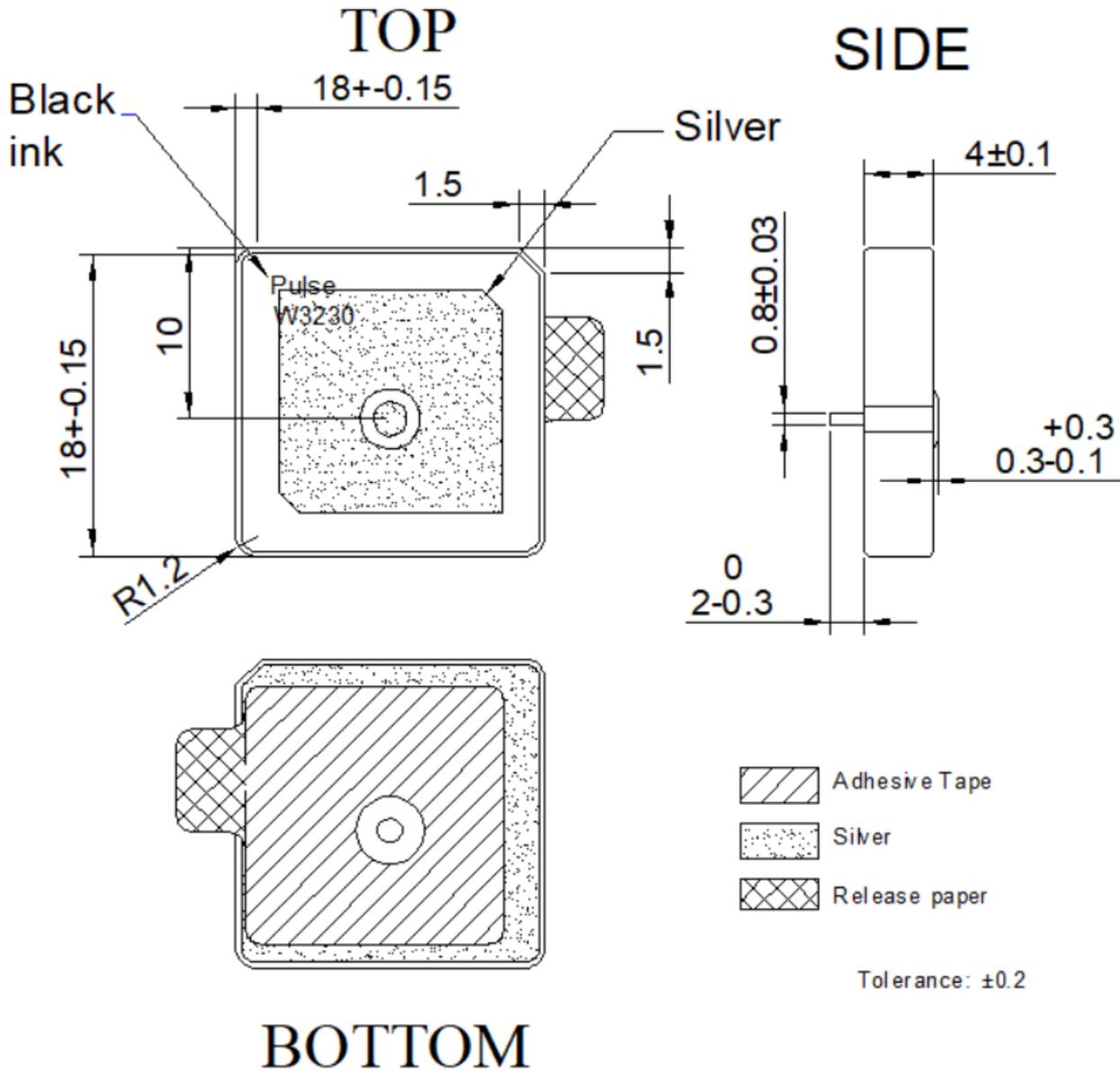
(*) All RF parameters measured on 70*70mm metal ground plane in free space.

Description: 2.4-2.5GHz 18x18x4mm Pin Feed Patch

PART NUMBER: W3230

Series: Ceramic Patch Antenna

MECHANICAL DRAWING



Issue: 1748

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.

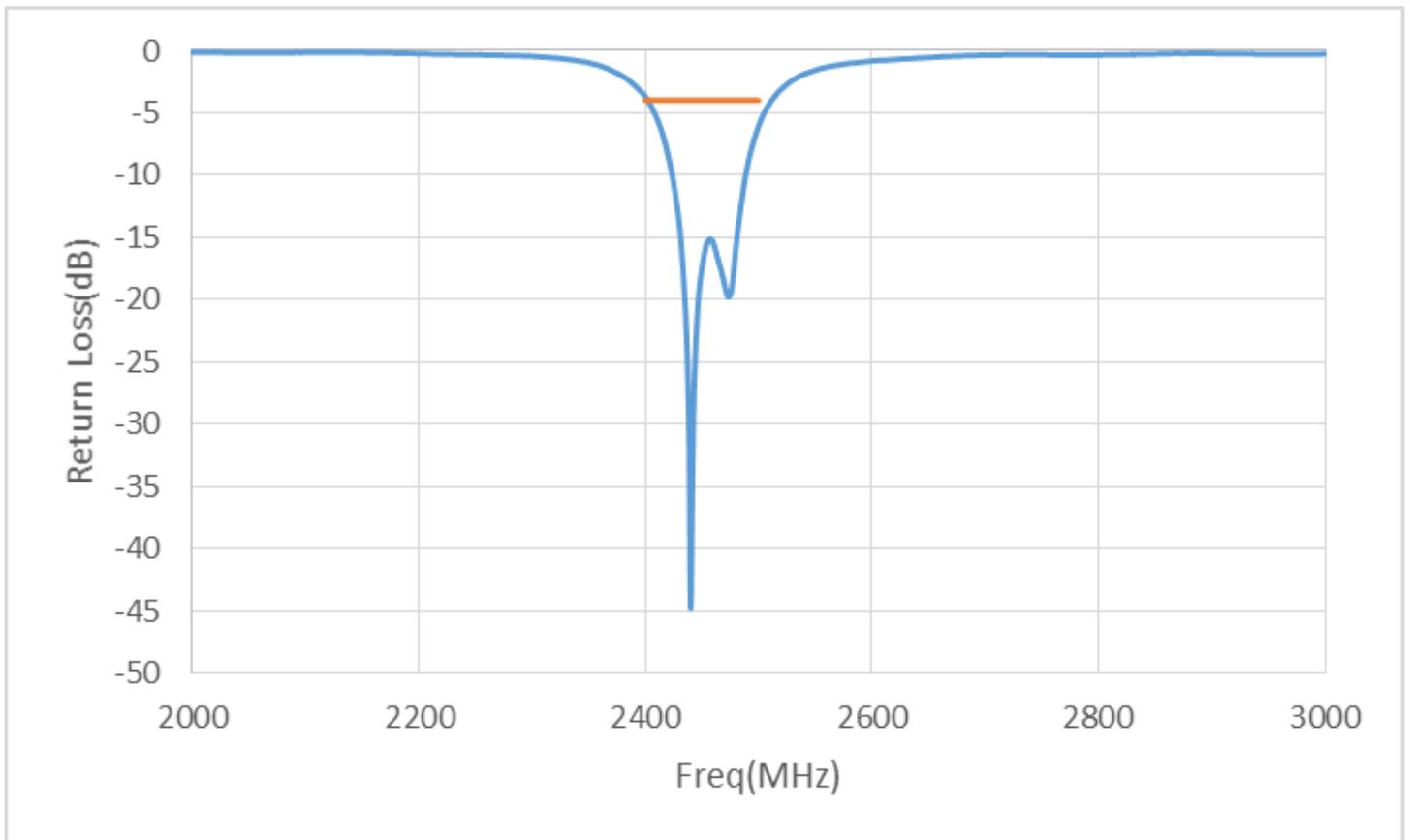
Description: 2.4-2.5GHz 18x18x4mm Pin Feed Patch

PART NUMBER: W3230

Series: Ceramic Patch Antenna

CHARTS

Return Loss



Issue: 1748

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.

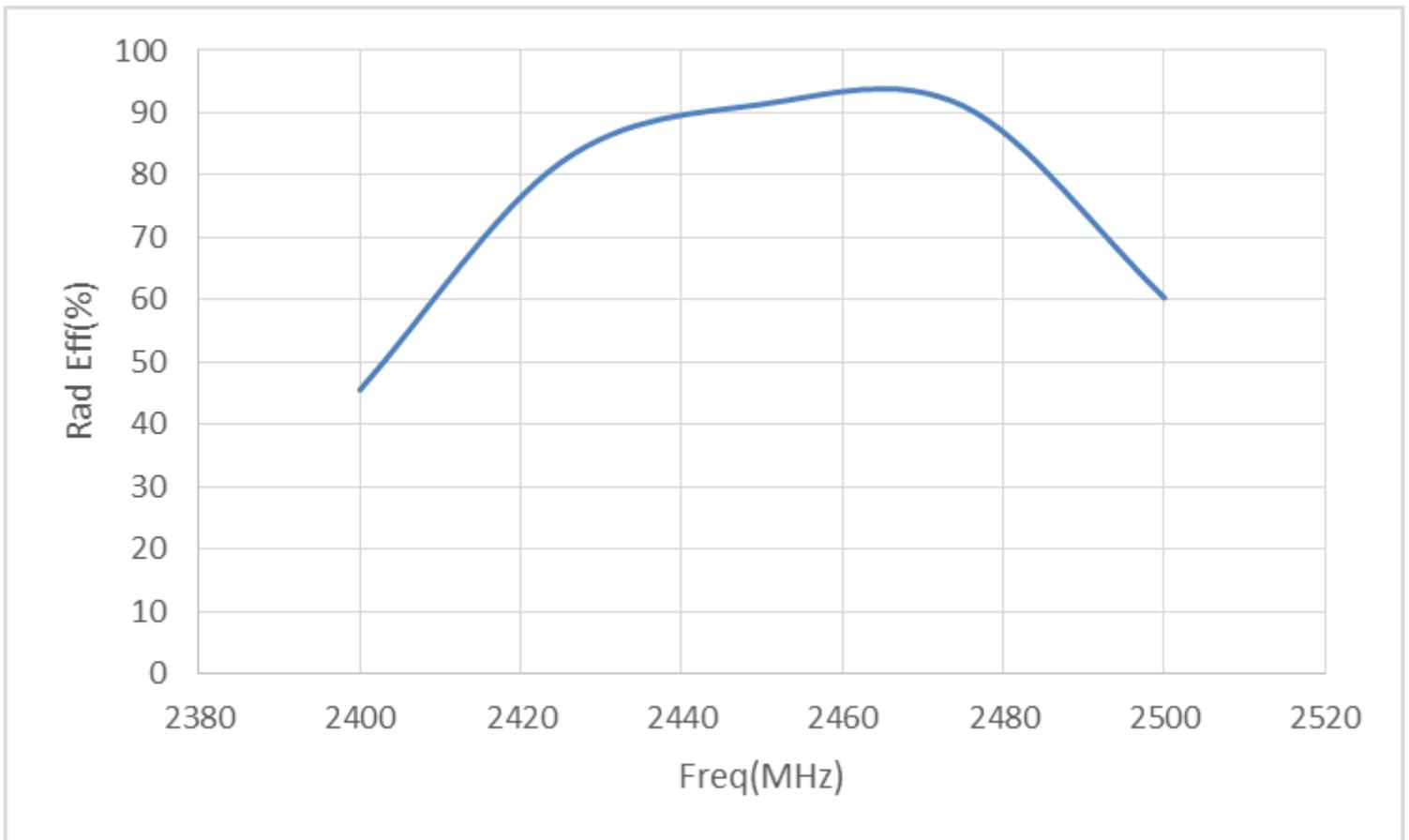
Description: 2.4-2.5GHz 18x18x4mm Pin Feed Patch

PART NUMBER: W3230

Series: Ceramic Patch Antenna

CHARTS

Efficiency(%)



Issue: 1748

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.

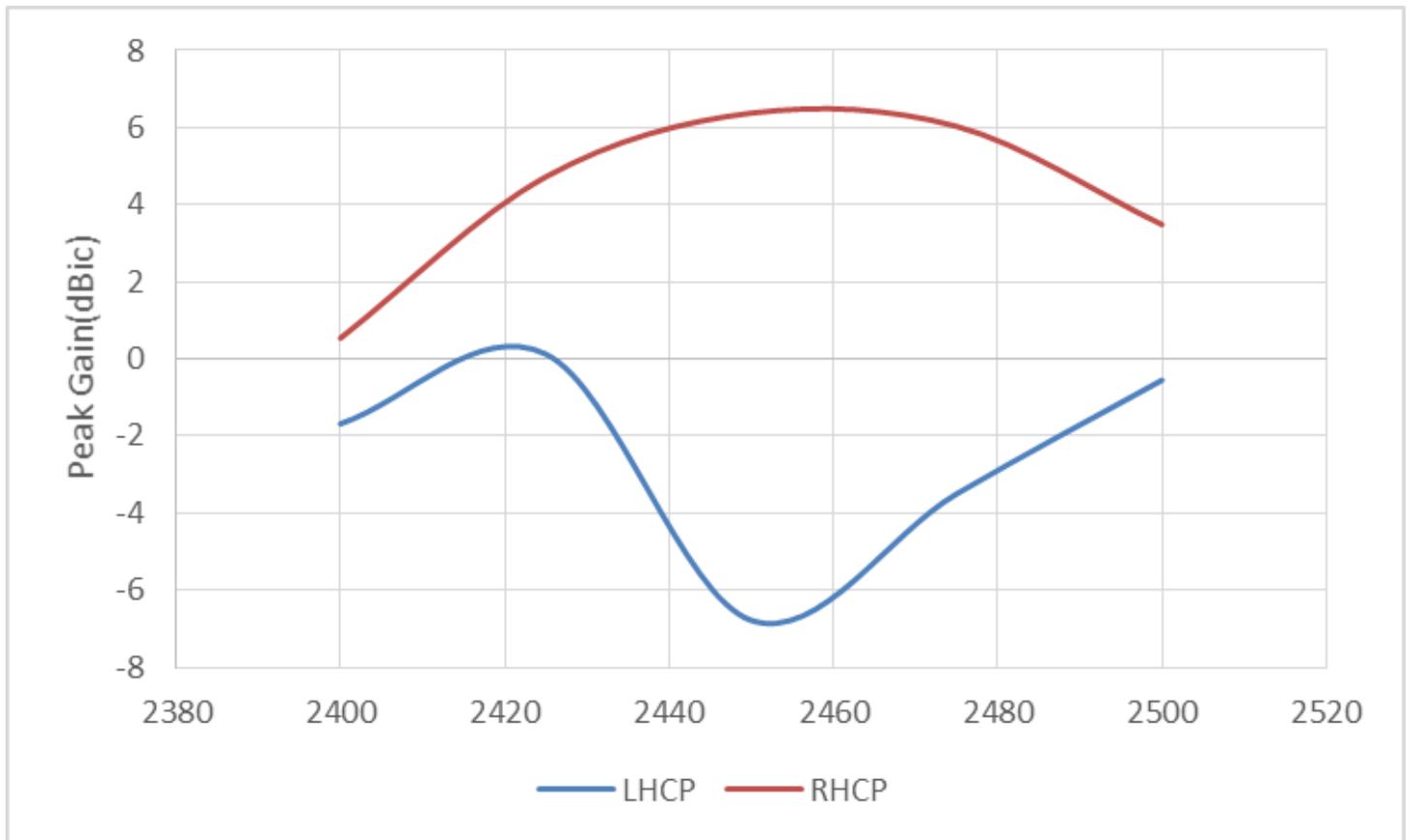
Description: 2.4-2.5GHz 18x18x4mm Pin Feed Patch

PART NUMBER: W3230

Series: Ceramic Patch Antenna

CHARTS

Peak Gain(dBic)



Issue: 1748

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.

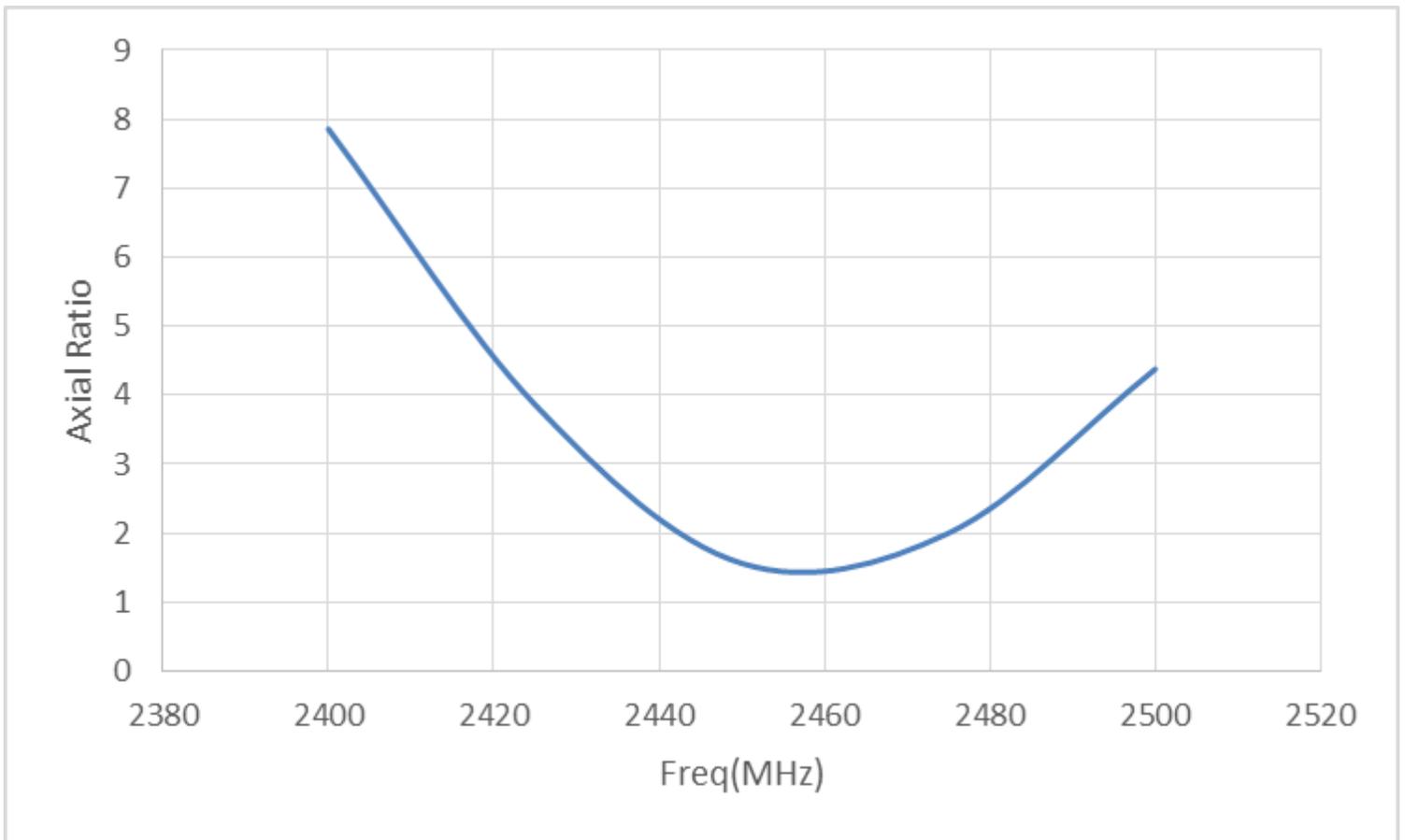
Description: 2.4-2.5GHz 18x18x4mm Pin Feed Patch

PART NUMBER: W3230

Series: Ceramic Patch Antenna

CHARTS

Axial Ratio(dB)



Issue: 1748

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.

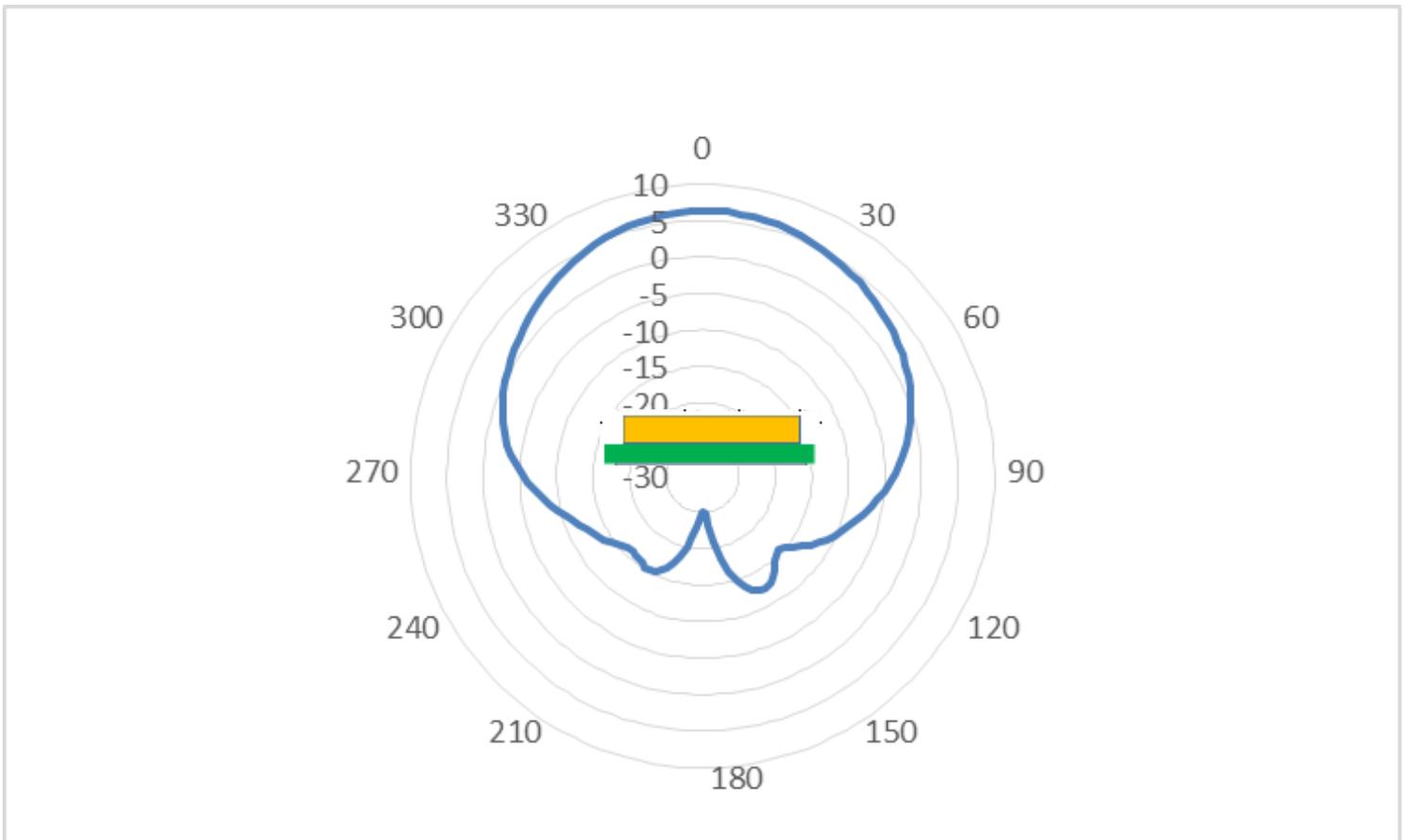
Description: 2.4-2.5GHz 18x18x4mm Pin Feed Patch

PART NUMBER: W3230

Series: Ceramic Patch Antenna

CHARTS

Radiation Pattern



Issue: 1748

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.

Description: 2.4-2.5GHz 18x18x4mm Pin
Feed Patch

PART NUMBER: W3230

**Series: Ceramic Patch
Antenna**

PACKAGING

60pcs antennas per tray

15pcs trays per box

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

900pcs antennas per outside box

According to MSL3 packing requirement, MBB-Moisture Barrel Bag, Desiccant, HIC-Humidity Indicator Card, MSID Label, Caution Label are required.

Issue: 1748

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.