

Description: 2012 2.4GHz Chip Antenna

PART NUMBER: ANT2012LL00R2400A

Features:

- Size : 2.0x1.2x1.1 mm
- Working Frequency : 2.4~2.5GHz
- Omni-directional Radiation
- Tape & reel automatic mounting
- Reflow process compatible
- · RoHS compliant



Applications:

- 2.4GHz WiFi device
- Bluetooth gadget
- Zigbee device
- ISM band equipment

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 rederal 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: 2012 2.4GHz Chip Antenna

PART NUMBER: ANT2012LL00R2400A

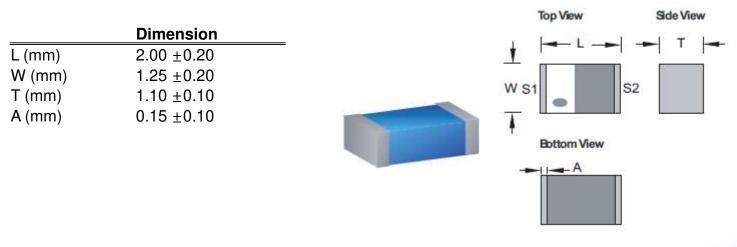
ELECTRICAL SPECIFICATIONS

Working Frequency	2.45 GHz
Bandwidth	370 MHz(Typ.)
Return Loss	10.0 dB Min
Polarization	Linear
Azimuth Beamwidth	Omni-directional
Peak Gain	3.77 dBi(Typ.)
Impedance	50 Ω
Operating Temperature	- 40∼105 °C
Maximum Power	1 W
Termination	Ni / Sn (Environmentally-Friendly Leadless)
Resistance to Soldering Heats	260 ℃ , 10sec .

NOTE

1. The specification is defined on Pulse evaluation board

MECHANICAL DRAWING



Terminal name	Function
S1	Feeding Point
S2	Soldering Point

In the effort to improve our products, we reserve the right to make changes judged to be necessary. CONFIDENTIAL AND PROPRIETARY INFORMATION

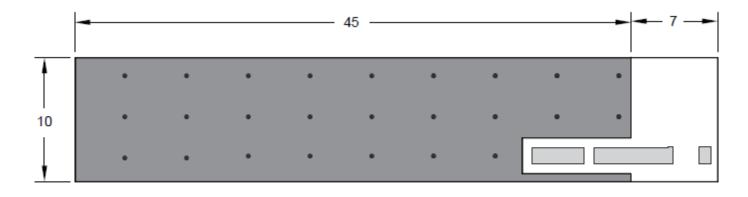
RoHS This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and others e and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything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



Description: 2012 2.4GHz Chip Antenna

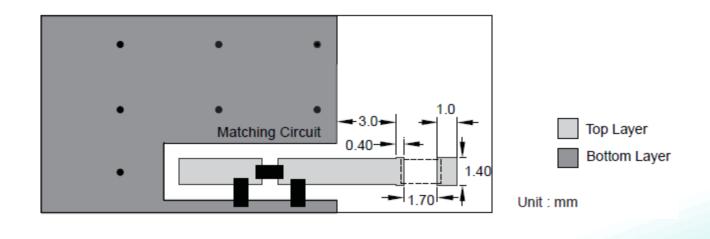
PART NUMBER: ANT2012LL00R2400A

REFERENCE DESIGN OF EVALUATION BOARD



Unit : mm

Outlook and dimension of evaluation board



Details of soldering Pad

In the effort to improve our products, we reserve the right to make changes judged to be necessary. CONFIDENTIAL AND PROPRIETARY INFORMATION

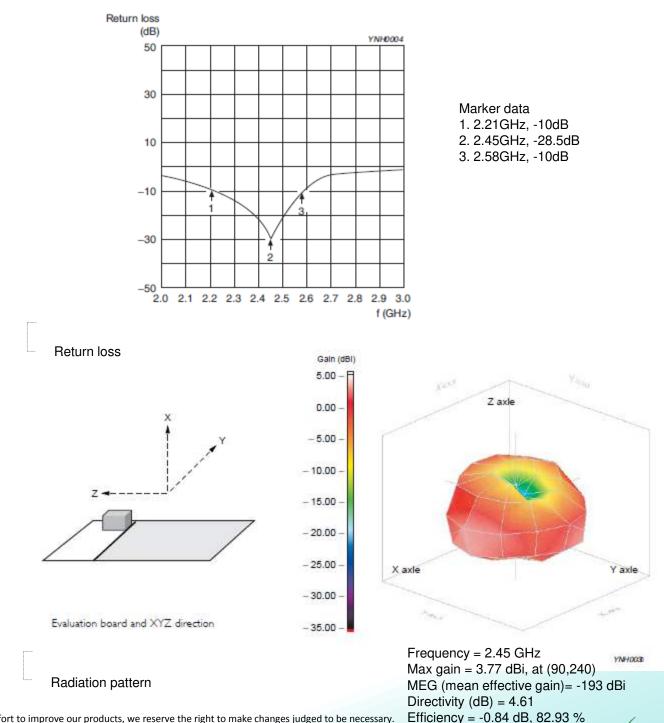
CONFIDENTIAL AND PROPRIETARY INFORMATION **ROHATION** This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose 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: 2012 2.4GHz Chip Antenna

PART NUMBER: ANT2012LL00R2400A

ELECTRICAL PERFORMANCES



In the effort to improve our products, we reserve the right to make changes judged to be necessary.

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: 2012 2.4GHz Chip Antenna

PART NUMBER: ANT2012LL00R2400A

REVISION HISTORY			
Revision	Date	Description	
Version 1	Oct. 13, 2020	- New issue	

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and other state and Its receipt or possession does not convey any rights to reproduce, disclose its contexts, as the protected by copyright, trade secret and other state and te 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.

5