

Description: 3216 2.4&5GHz Chip Antenna**PART NUMBER: ANT3216A063R2455A****Features:**

- Size : 3.05x1.55x0.55 mm
- Omni-directional Radiation
- Tape & reel automatic mounting
- Dual-band design
- Reflow process compatible
- RoHS compliant

Applications:

- 2.4&5GHz WiFi device
- ISM band equipment

ELECTRICAL SPECIFICATIONS

Working Frequency	2.45G / 5.5 GHz
Bandwidth	90 / 700 MHz(Typ.)
Return Loss	10 dBi min.
Polarization	Linear
Azimuth Beamwidth	Omni-directional
Peak Gain	1.59 / 2.23 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°C , 10sec.

NOTE

1. The specification is defined on Pulse evaluation board

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

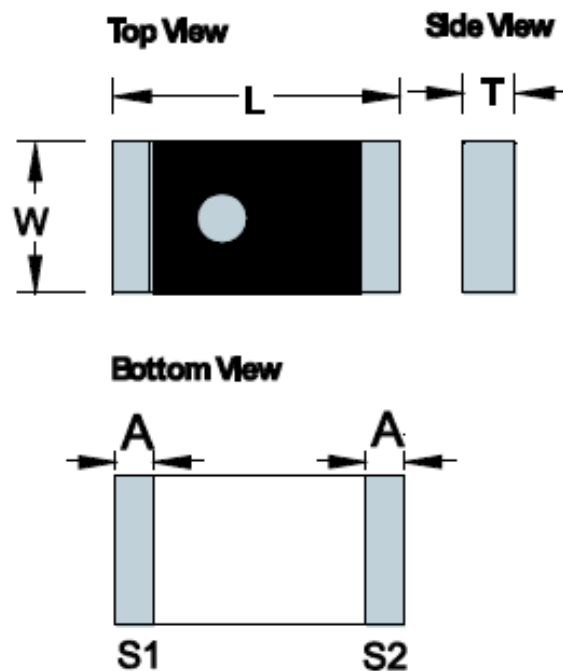
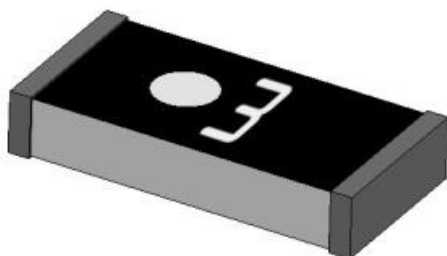
Europe Headquarters
Pulse GmbH & Co, KG
Zeppelinstrasse 15
Herrenberg, Germany
Tel: 49 7032 7806 0

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: 3216 2.4&5GHz Chip Antenna

PART NUMBER: ANT3216A063R2455A

MECHANICAL DRAWING



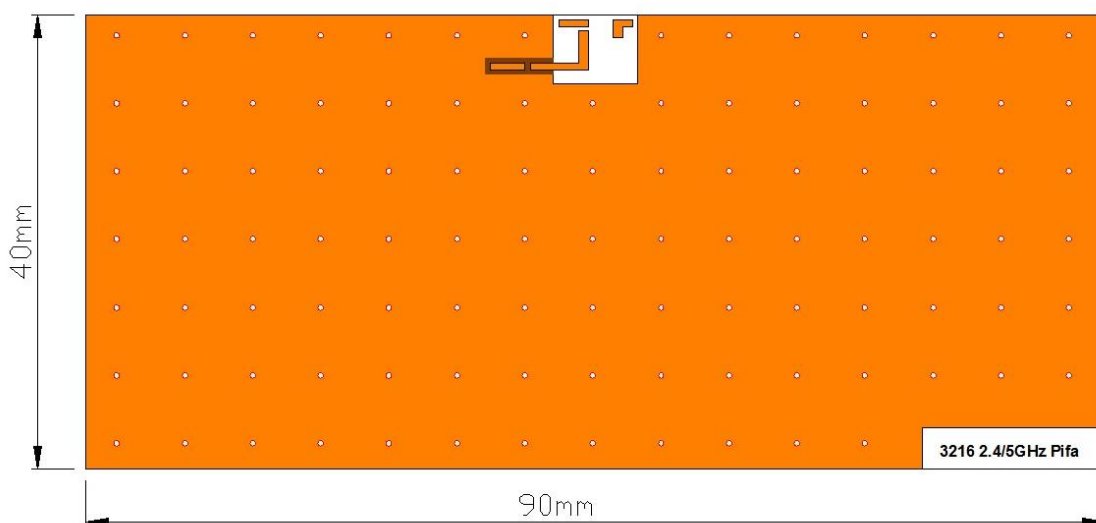
	Dimension
L (mm)	3.05 ± 0.10
W (mm)	1.55 ± 0.10
T (mm)	0.55 ± 0.10
A (mm)	0.40 ± 0.10

Terminal name	Function
S1	Feeding Point
S2	GND

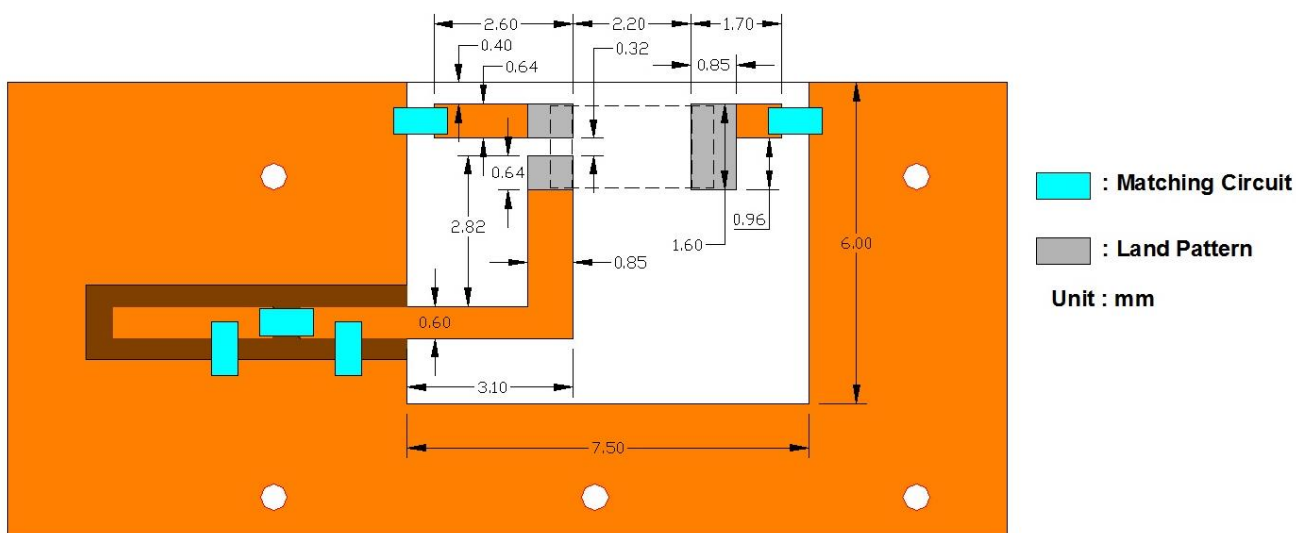
Description: 3216 2.4&5GHz Chip Antenna

PART NUMBER: ANT3216A063R2455A

REFERENCE DESIGN OF EVALUATION BOARD



Outlook and dimension of evaluation board



Dimension of footprint

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

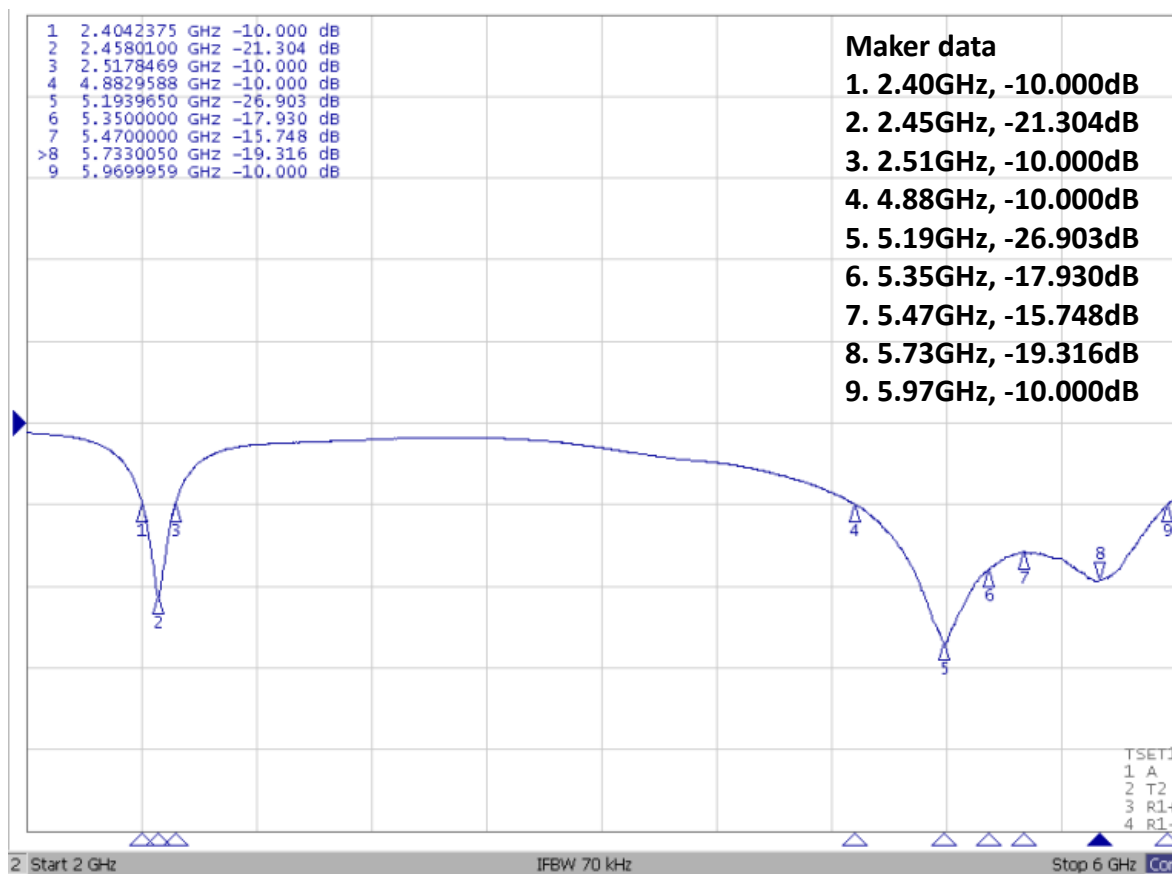
CONFIDENTIAL AND PROPRIETARY INFORMATION

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: 3216 2.4&5GHz Chip Antenna

PART NUMBER: ANT3216A063R2455A

ELECTRICAL PERFORMANCES



Return loss

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

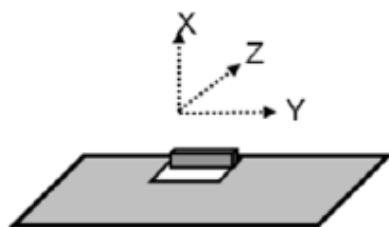
CONFIDENTIAL AND PROPRIETARY INFORMATION

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: 3216 2.4&5GHz Chip Antenna

PART NUMBER: ANT3216A063R2455A

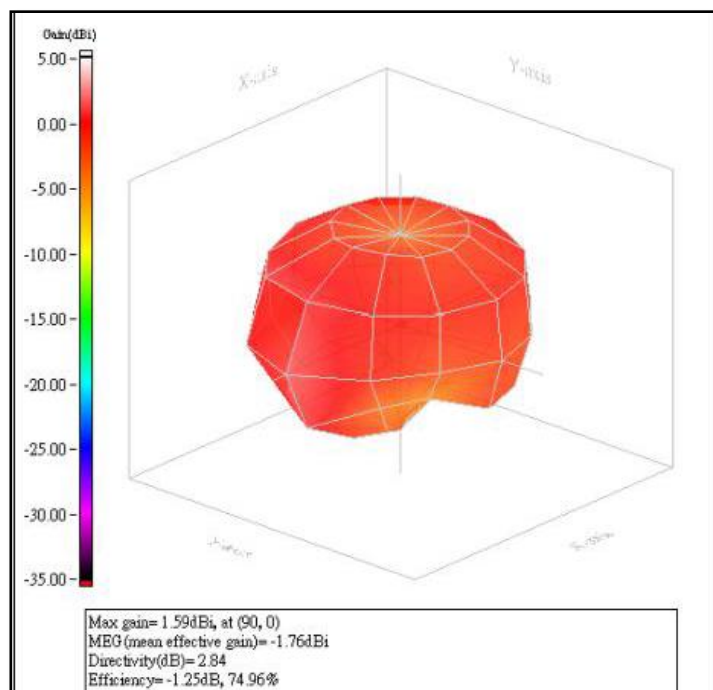
REFERENCE DESIGN OF EVALUATION BOARD



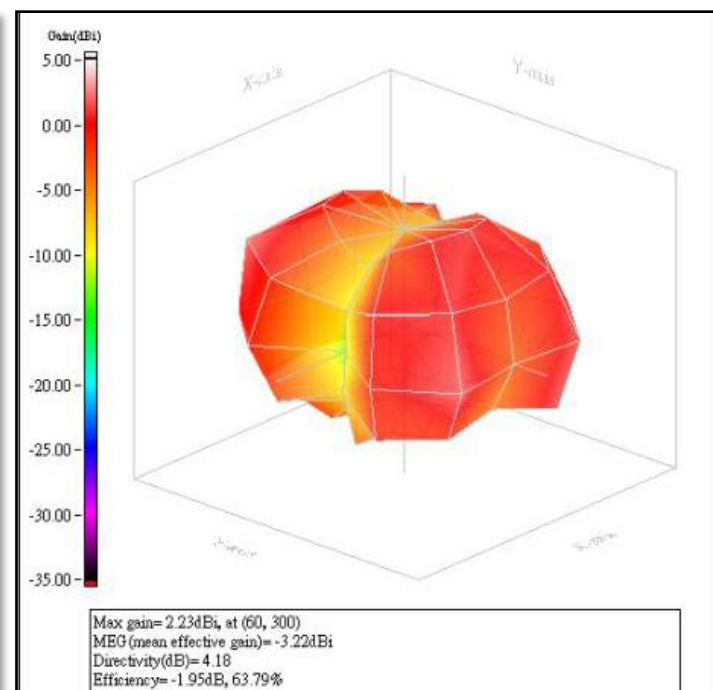
Evaluation board and XYZ direction

Details of soldering pad

2450MHz



5500MHz



Radiation pattern

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: 3216 2.4&5GHz Chip Antenna

PART NUMBER: ANT3216A063R2455A

REVISION HISTORY

Revision	Date	Description
Version 1	Nov. 19, 2020	- New issue