

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.

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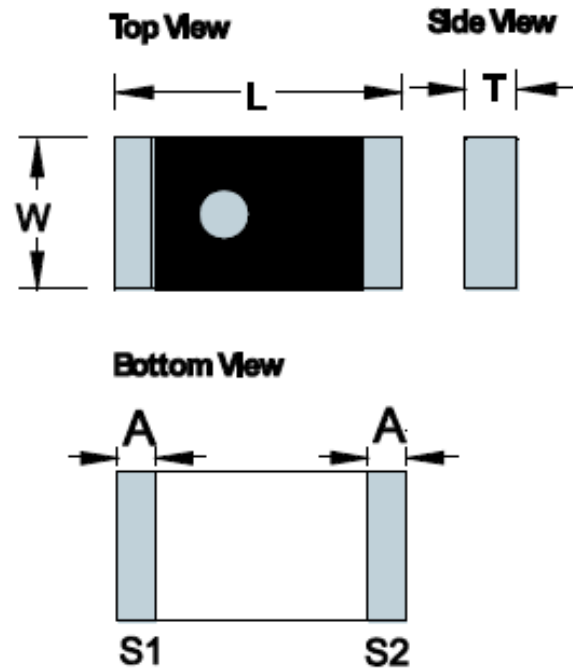
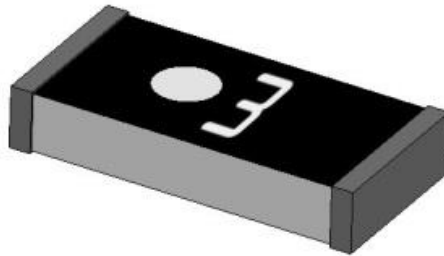
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MECHANICAL DRAWING



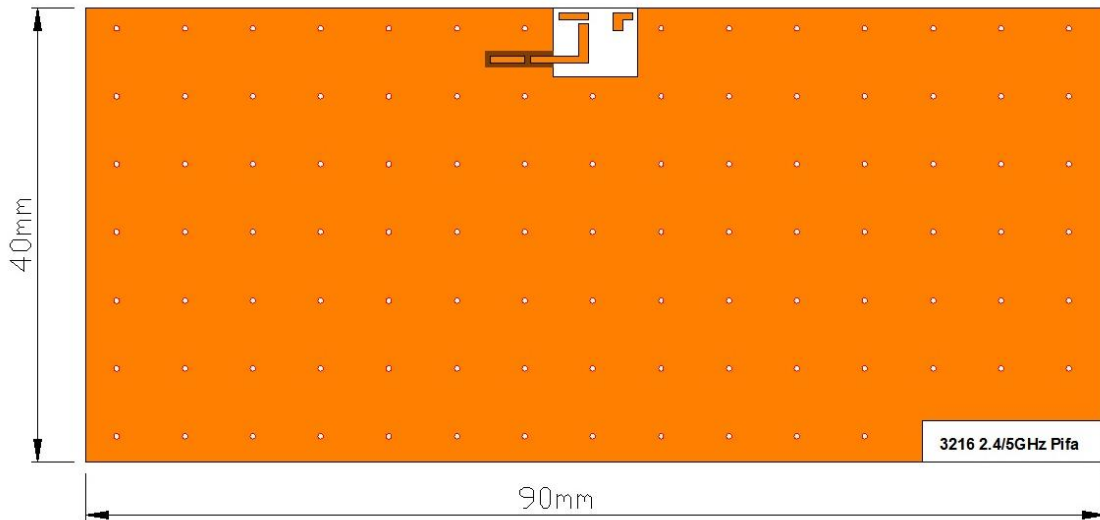
	Dimension
L (mm)	3.05 ±0.10
W (mm)	1.55 ±0.10
T (mm)	0.55 ±0.10
A (mm)	0.40 ±0.10

Terminal name	Function
S1	Feeding Point
S2	GND

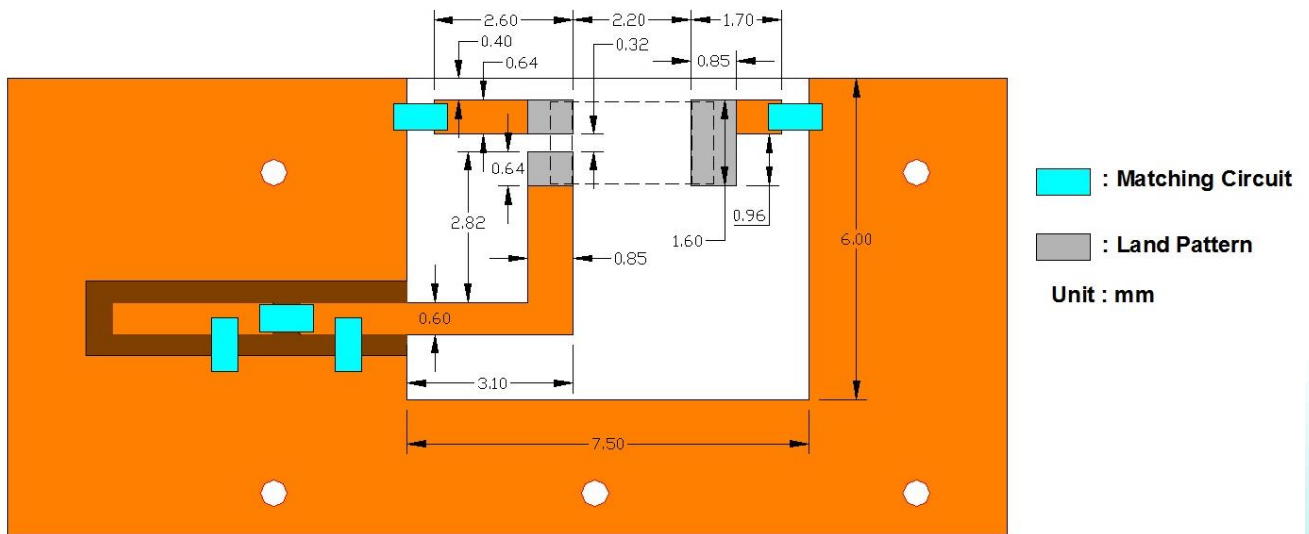
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REFERENCE DESIGN OF EVALUATION BOARD



Outlook and dimension of evaluation board



Dimension of footprint

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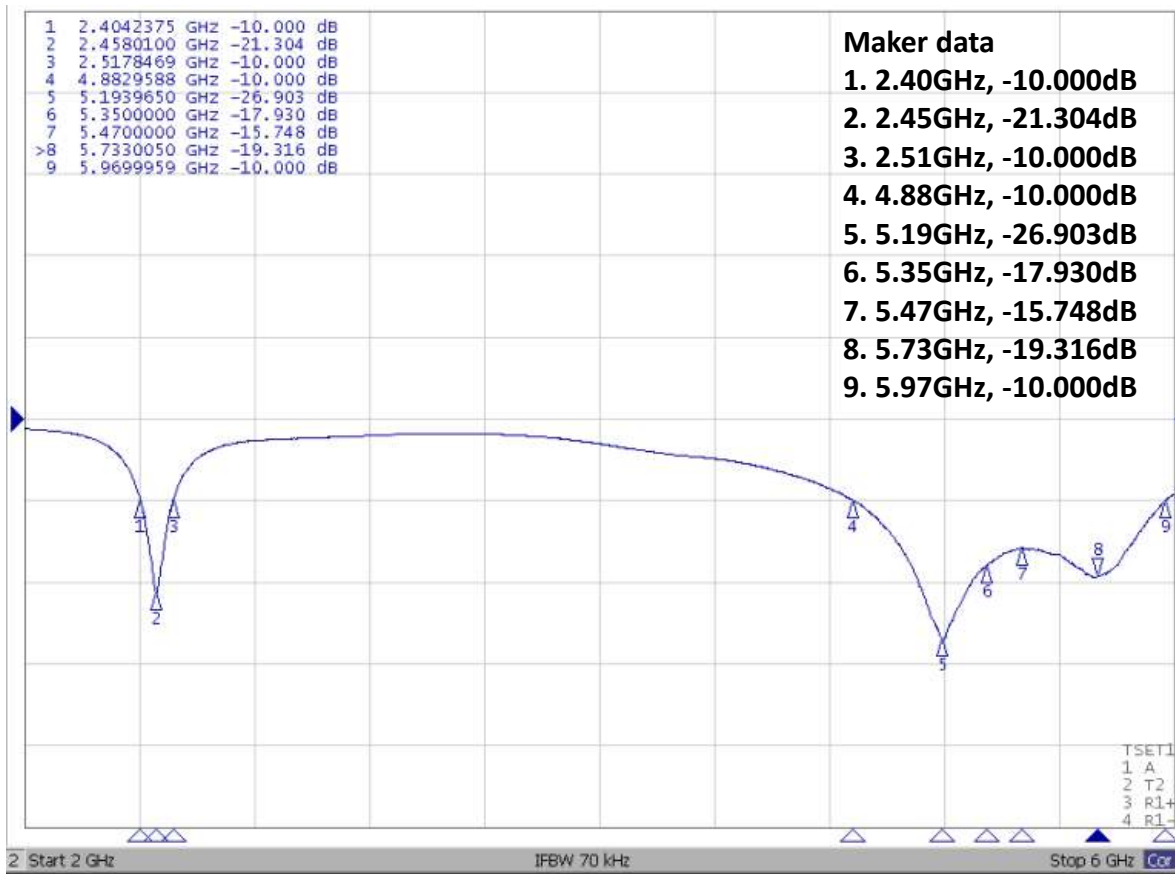
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ELECTRICAL PERFORMANCES



Return loss

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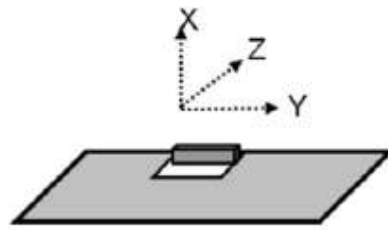
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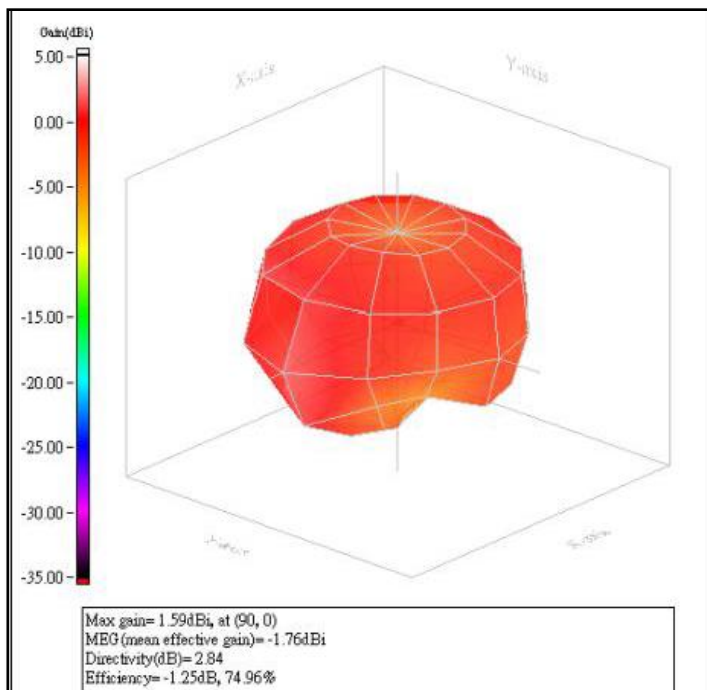
REFERENCE DESIGN OF EVALUATION BOARD



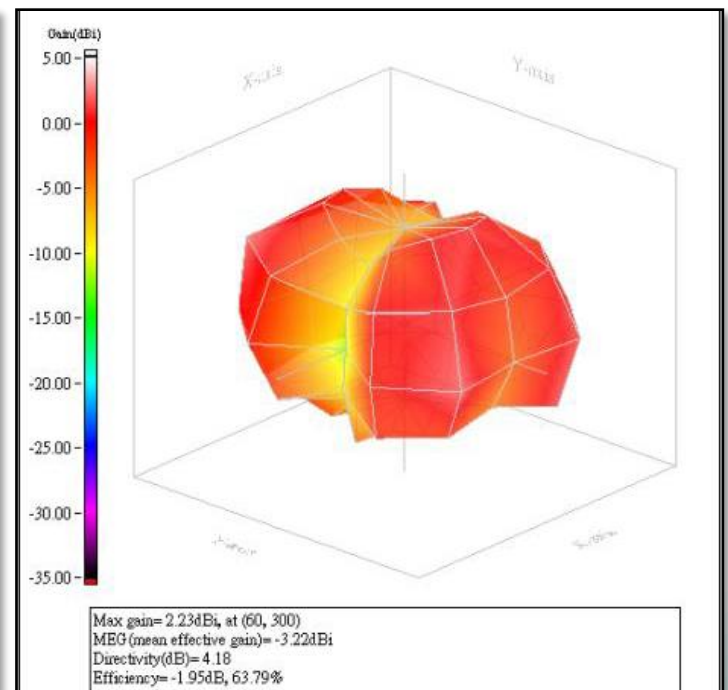
Evaluation board and XYZ direction

Details of soldering pad

2450MHz



5500MHz



Radiation pattern

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REVISION HISTORY

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

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