Pulse A YAGEO Company | LARSEN Antennas

TECHNICAL DATA SHEET

Description: 5320 2.4-2.5GHz Chip Antenna

PART NUMBER: ANT5320LL24R2400A

Features:

- Size : 5.30x2.00x1.20 mm
- Omni-directional radiation
- Tape & reel automatic mounting
- Reflow process compatible
- RoHS compliant

Applications:

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

ELECTRICAL SPECIFICATIONS

Working Frequency	2.45 GHz
Bandwidth	84 MHz(Typ.)
Polarization	Linear
Azimuth Beamwidth	Omni-directional
Peak Gain	2.78 dBi (Typ.)
Impedance	50 Ω
Operating Temperature	- 40~105 ℃
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

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15255 Innovation Drive #100
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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

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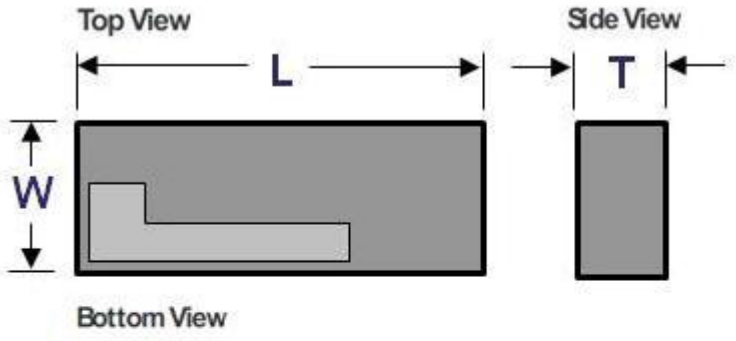
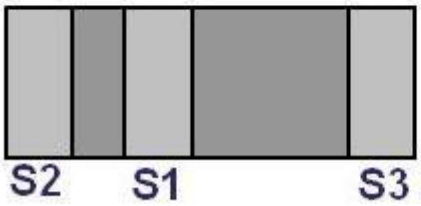
MECHANICAL DRAWING

	Dimension
L (mm)	5.30 ±0.10
W (mm)	2.00 ±0.10
T (mm)	1.20 ±0.10





Terminal name	Function
S1	Feeding Point
S2	Ground Point
S3	Ground Point

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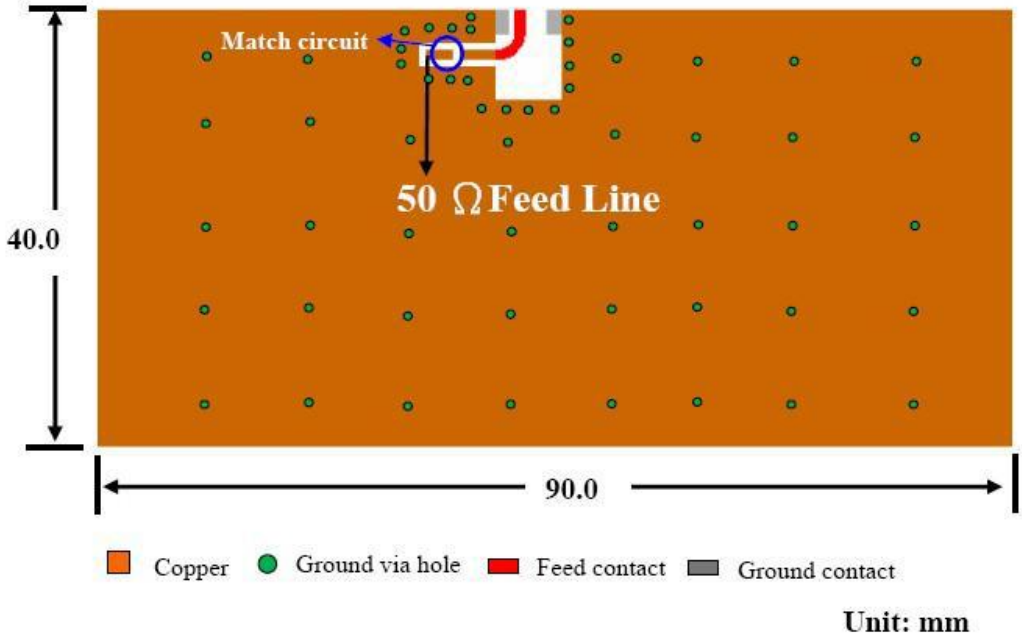
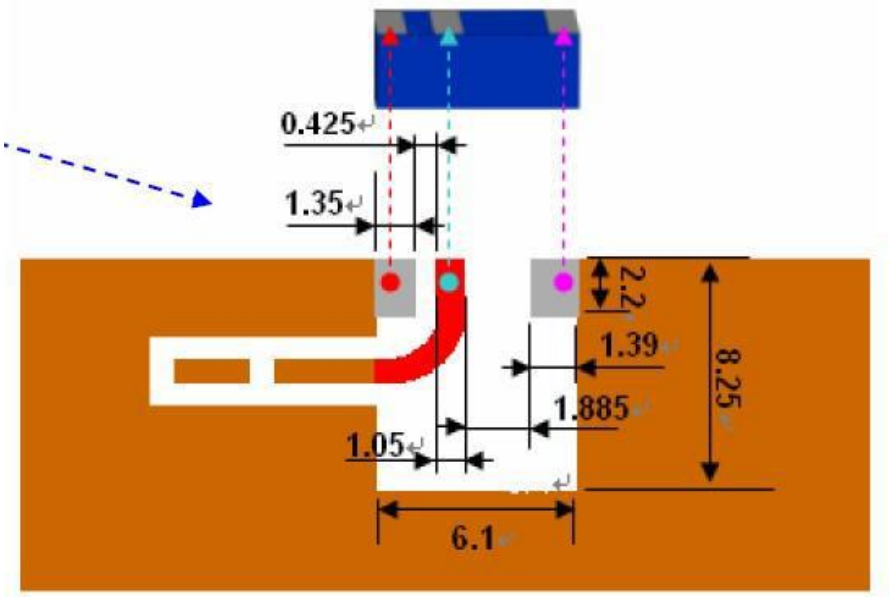
REFERENCE DESIGN OF EVALUATION BOARD



Outlook and dimension of evaluation board



Dimension of footprint

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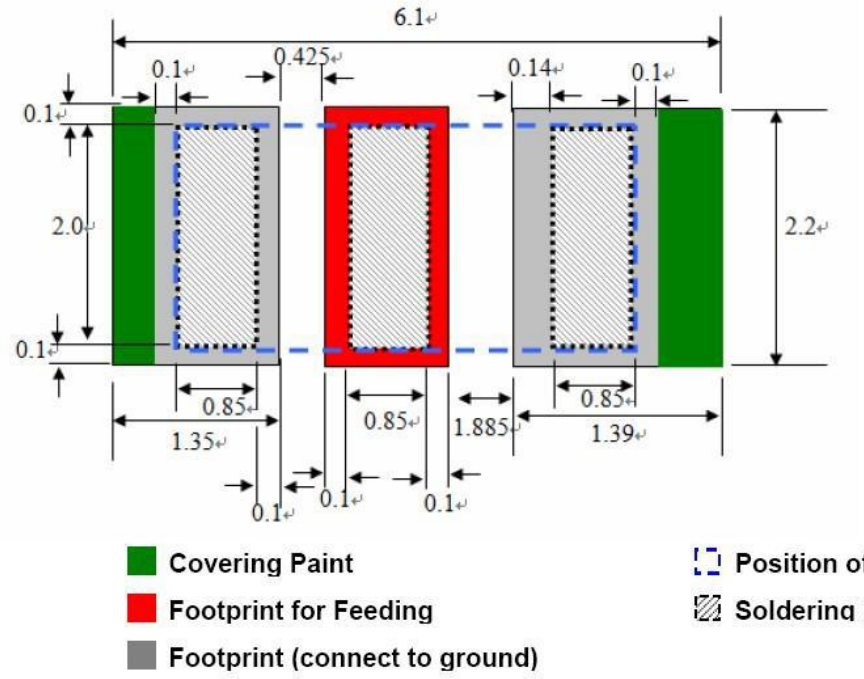
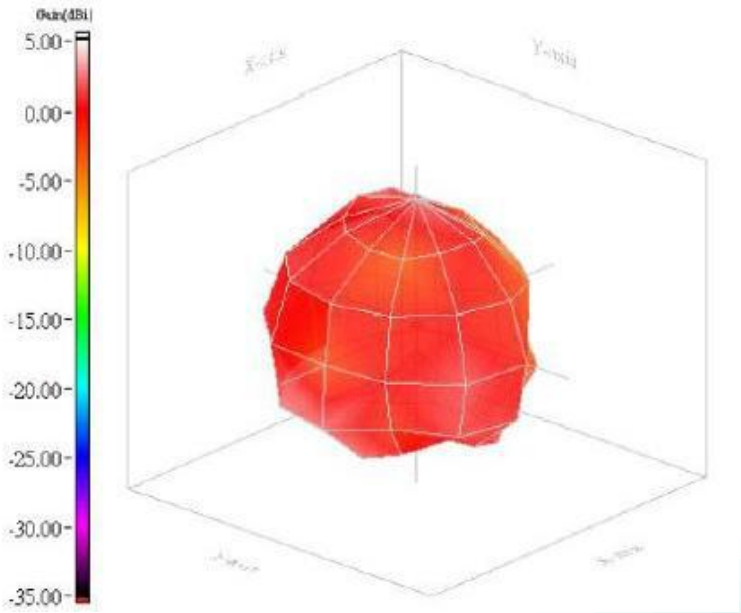


Details of soldering pad



Radiation pattern

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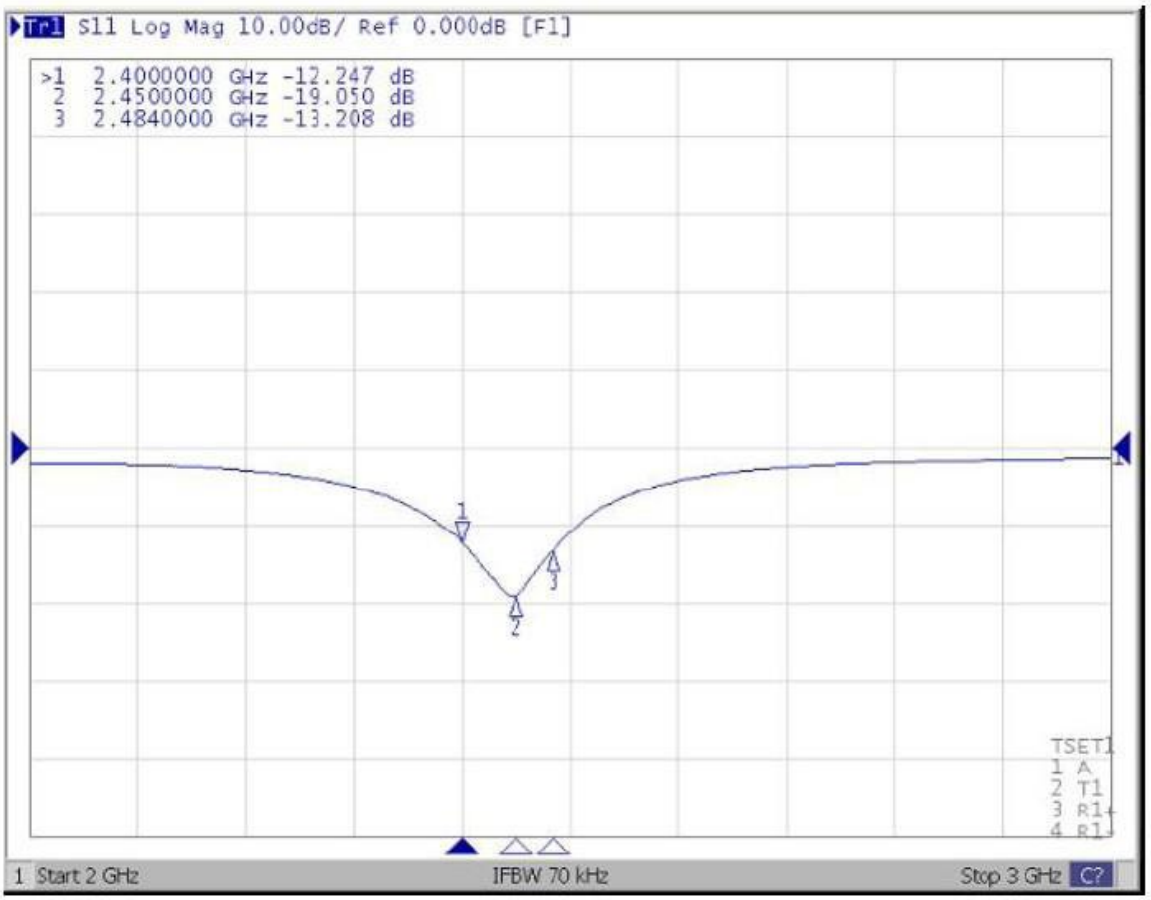
ELECTRICAL PERFORMANCES



Maker data
2.40GHz, -12.247dB
2.45GHz, -19.050dB
2.48GHz, -13.208dB

Return loss

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REVISION HISTORY

Revision	Date	Description
Version 1	Nov. 23, 2020	- New issue