Pulse A YAGEO Company | LARSEN Antennas

TECHNICAL DATA SHEET

Description: 9520 2.4-2.5GHz Chip Antenna

PART NUMBER: ANT9520LL06R2400A

Features:

- Size : 9.50x2.00x1.10 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	340 MHz(Typ.)
Return Loss	7.36 dB Max.
Polarization	Linear
Azimuth Beamwidth	Omni-directional
Peak Gain	2.85 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

Pulse Worldwide Headquarters
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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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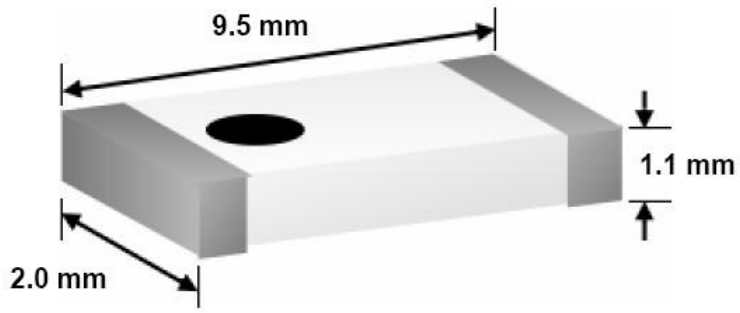
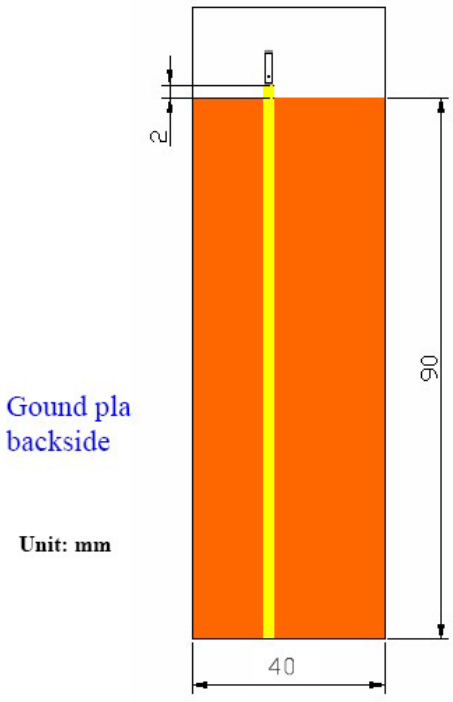
MECHANICAL DRAWING

	Dimension
L (mm)	9.50 ±0.20
W (mm)	2.00 ±0.20
T (mm)	1.10 ±0.20



REFERENCE DESIGN OF EVALUATION BOARD



Outlook and dimension of evaluation board

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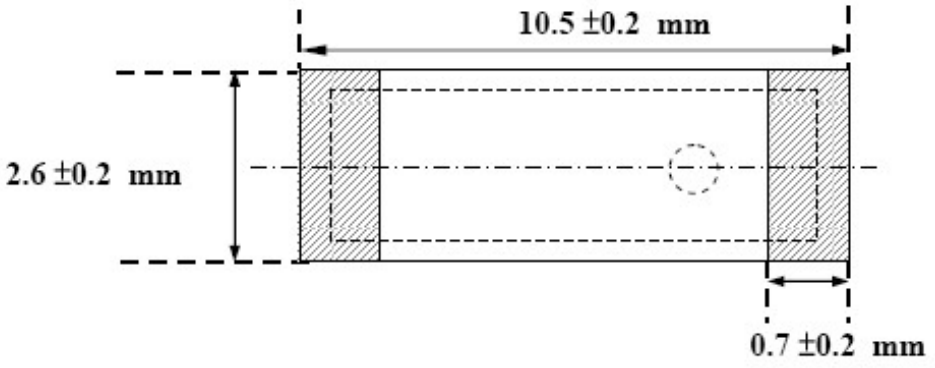

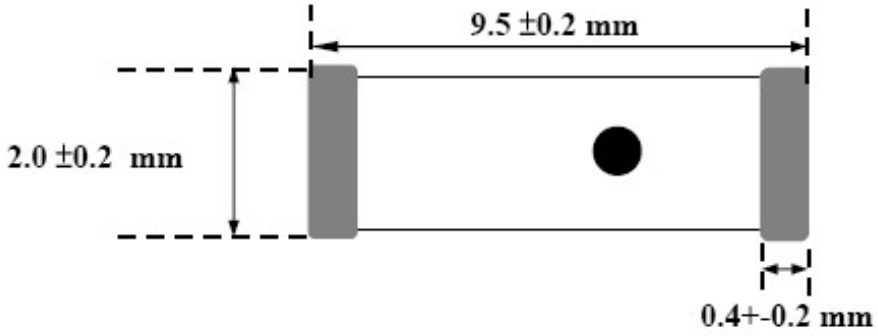

Details of soldering Pad

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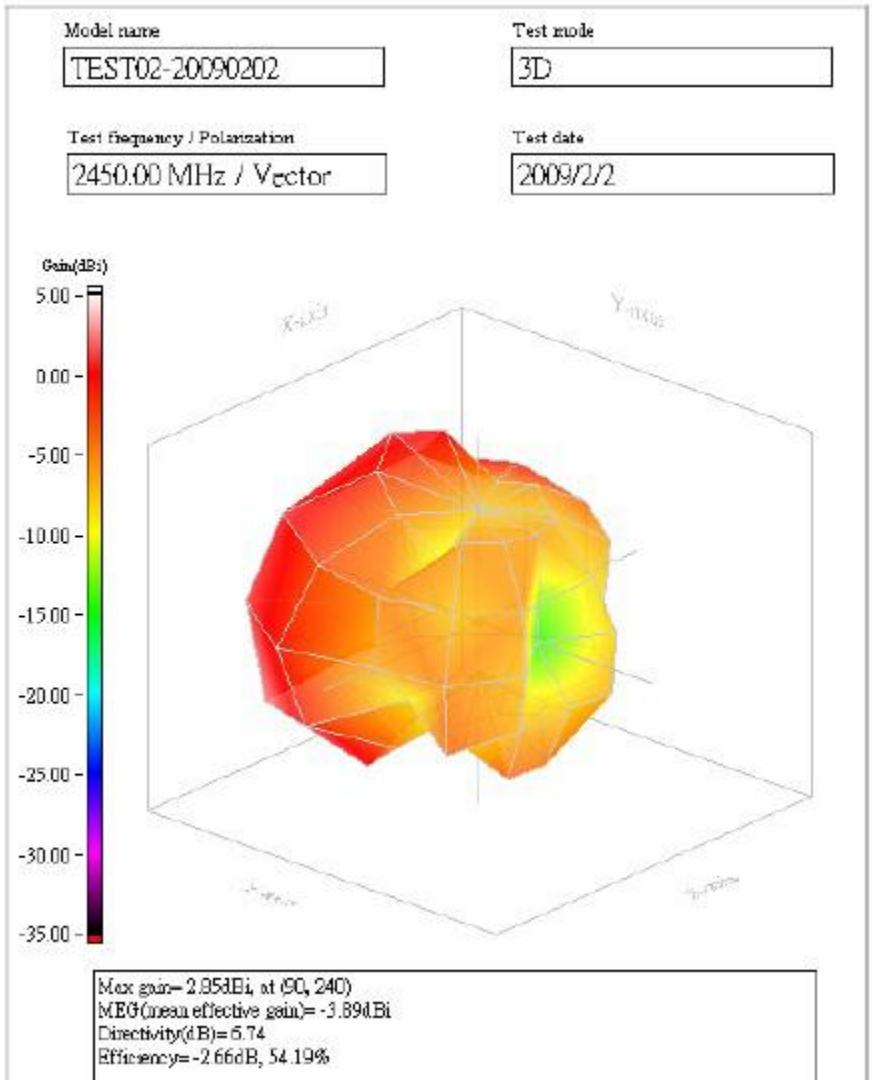

Radiation pattern

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ELECTRICAL PERFORMANCES

Marker data
1. 2.27GHz, -10.131dB
2. 2.45GHz, -20.745dB
3. 2.69GHz, -10.268dB

Return loss

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REVISION HISTORY

Revision	Date	Description
Version 1	Nov. 20, 2020	- New issue