

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 °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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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

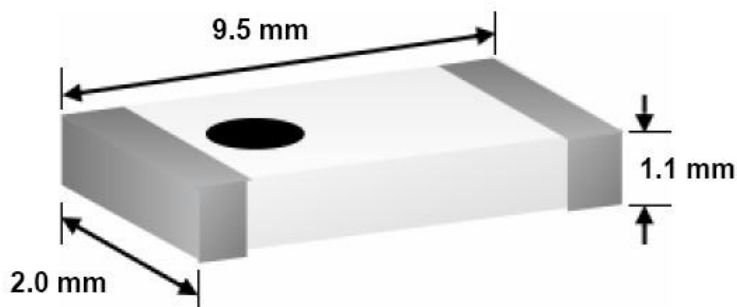
Pulse (Suzhou) Wireless Products Co, Inc.
99 Huo Ju Road(#29 Bldg,4th Phase
Suzhou New District
Jiangsu Province, Suzhou 215009 PR China
Tel: 86 512 6807 9998

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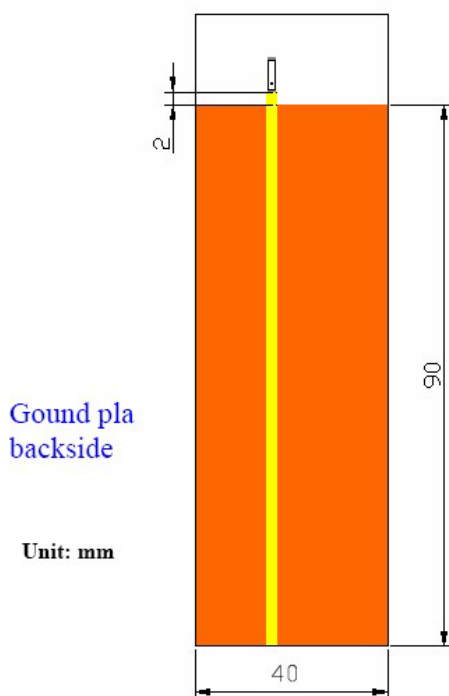
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MECHANICAL DRAWING

	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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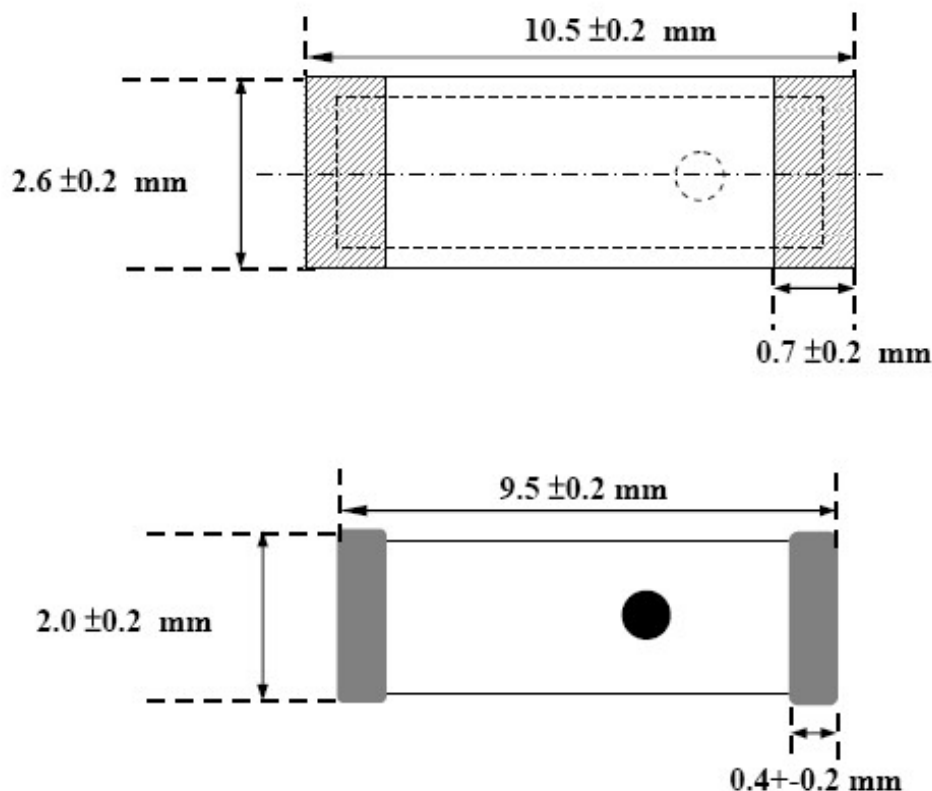
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REFERENCE DESIGN OF EVALUATION BOARD



Details of soldering Pad

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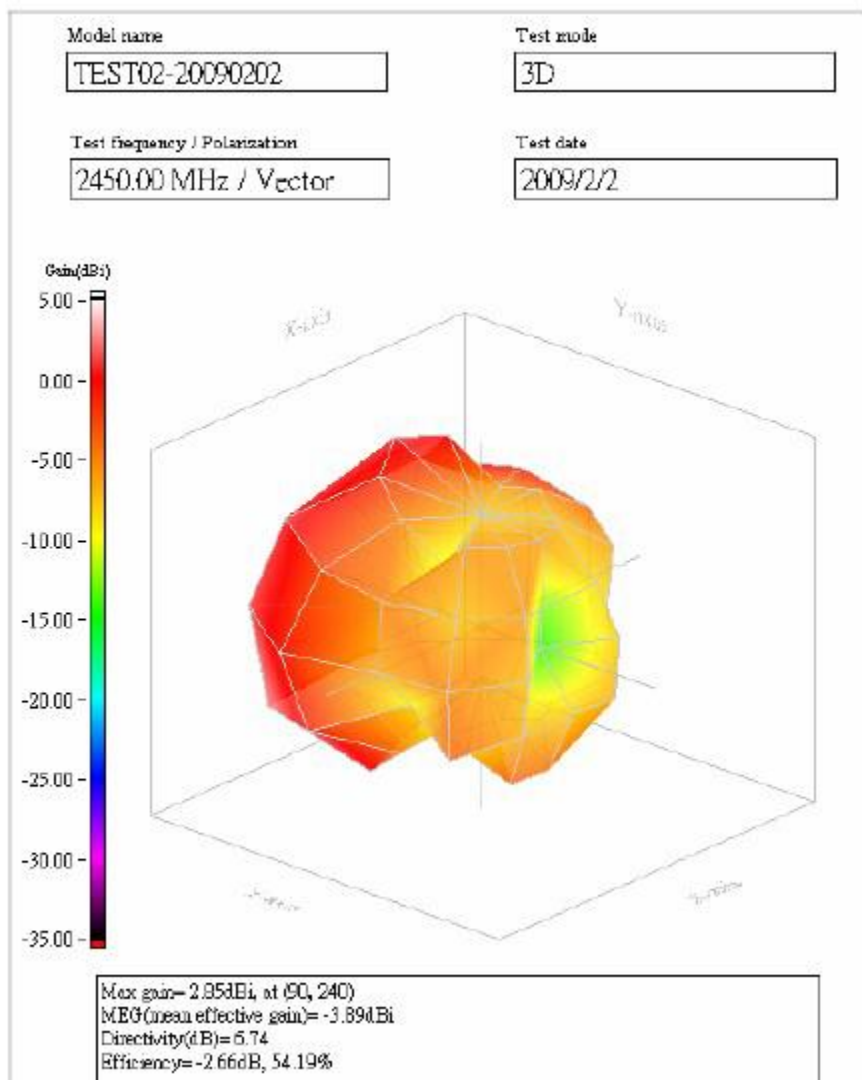
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REFERENCE DESIGN OF EVALUATION BOARD



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