

Description: 1608 2.4G Chip Antenna

PART NUMBER: ANT1608LL14R2400A

Features:

- Size : 1.6x0.8x0.4 mm
- Working Frequency : 2.4~2.5GHz
- Omni-directional Radiation
- Tape & reel automatic mounting
- Reflow process compatible
- RoHS compliant



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

All dimensions are in mm / inches

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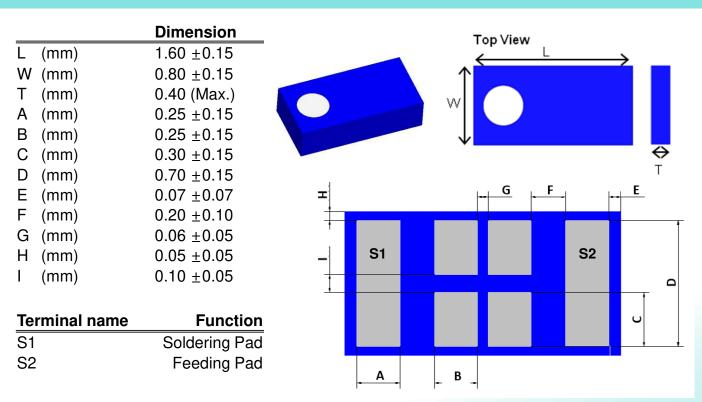
ELECTRICAL SPECIFICATIONS

Working Frequency Bandwidth Return Loss Polarization Azimuth Beamwidth Peak Gain Impedance Operating Temperature Maximum Power Termination Resistance to Soldering Heats

 $\begin{array}{c} 2.4 \sim 2.484 \mbox{ GHz} \\ 150 \mbox{ MHz(Typ.)} \\ 6.0 \mbox{ dB Max} \\ Linear \\ Omni-directional \\ 2.0 \mbox{ dBi(Typ.)} \\ 50 \mbox{ \Omega} \\ - 40{\sim}105 \ ^{\circ}{\rm C} \\ 1 \ W \\ \mbox{ Ag (Environmentally-Friendly Leadless)} \\ 260 \ ^{\circ}{\rm C} \ , 5 sec. \end{array}$

NOTE

1. The specification is defined on Pulse evaluation board



MECHANICAL DRAWING

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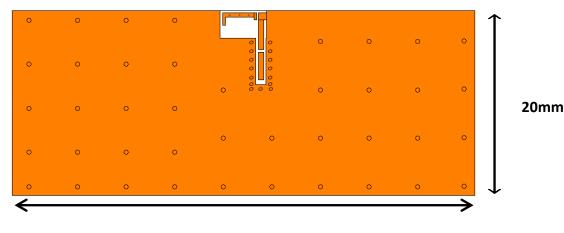


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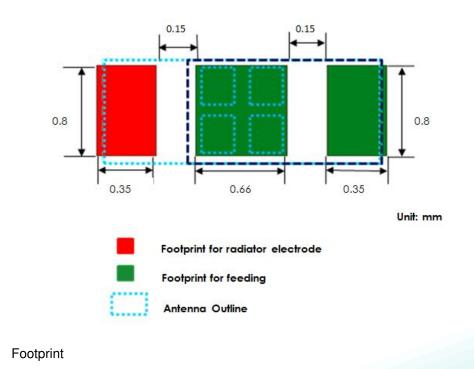
REFERENCE DESIGN OF EVALUATION BOARD (SCENARIO 1)

SCENARIO 1



50mm

Outlook and dimension of evaluation board (Scenario 1)



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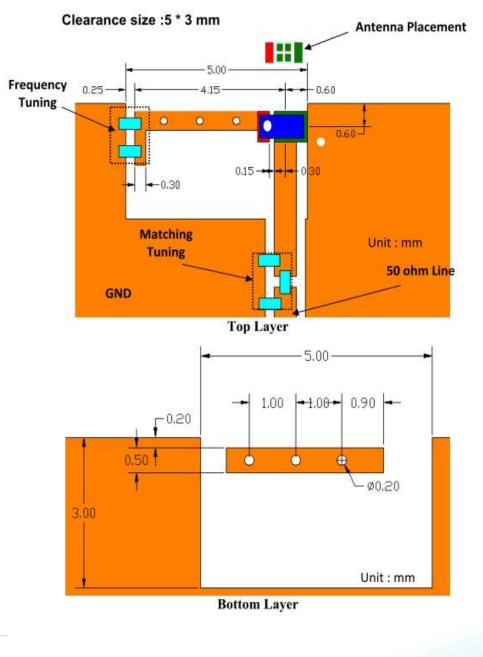




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REFERENCE DESIGN OF EVALUATION BOARD (SCENARIO 1)



Details of soldering Pad of Scenario 1

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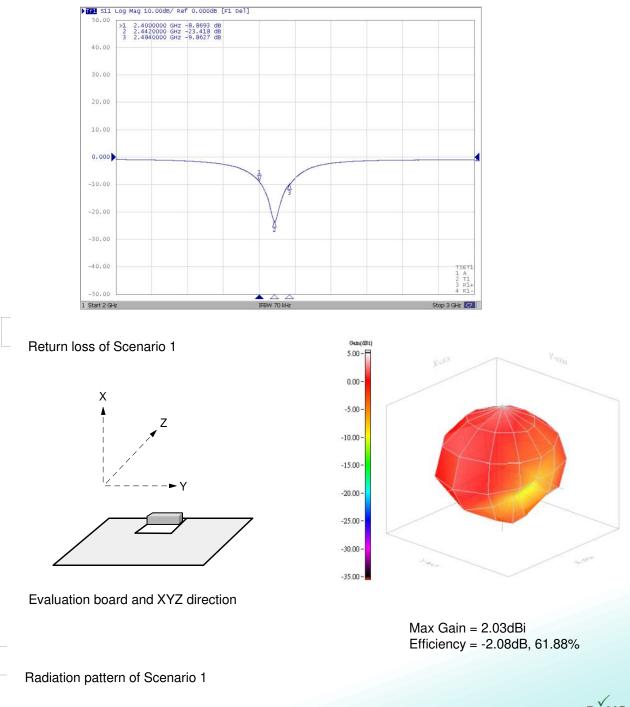




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ELECTRICAL PERFORMANCES (SCENARIO 1)



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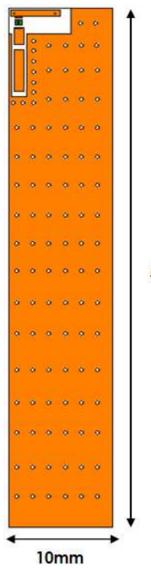


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REFERENCE DESIGN OF EVALUATION BOARD (SCENARIO 2)

SCENARIO 2



50mm

Outlook and dimension of evaluation board (Scenario 2)

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Pulse LARSEN Antennas

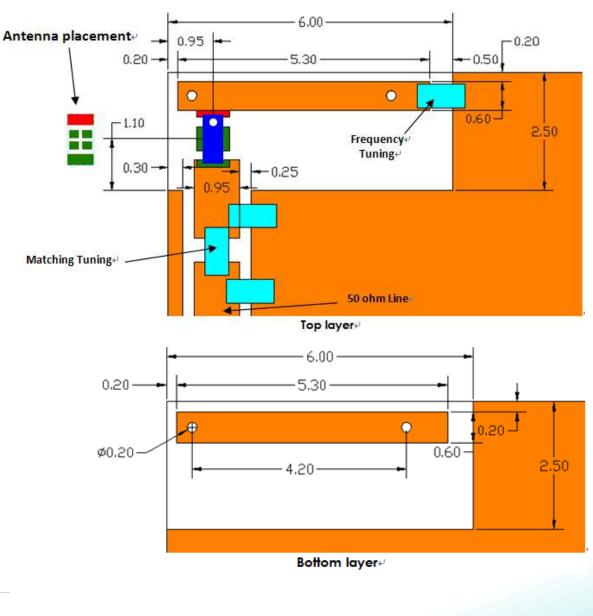
TECHNICAL DATA SHEET

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REFERENCE DESIGN OF EVALUATION BOARD (SCENARIO 2)

SCENARIO 2



Clearance size : 6 * 2.5 mm

Details of soldering Pad of Scenario 2

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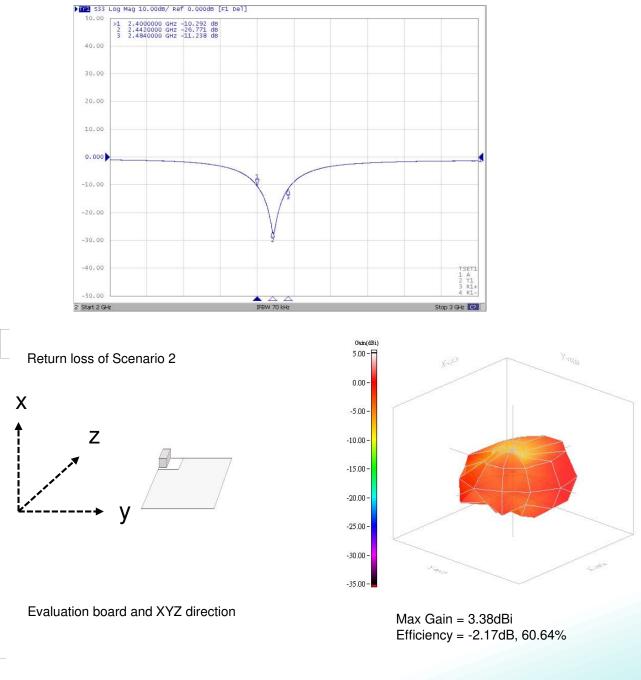




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ELECTRICAL PERFORMANCES (SCENARIO 2)



Radiation pattern of Scenario 2

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		REVISION HISTORY
Revision	Date	Description
Version 1	Sep. 30, 2020	- New issue
Version 2	Aug. 30, 2021	- Added Dimension E, G, H.

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