

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

Applications:

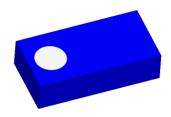
- 2.4GHz WiFi device
- Bluetooth device
- · Zigbee device
- ISM band equipment

All dimensions are in mm / inches

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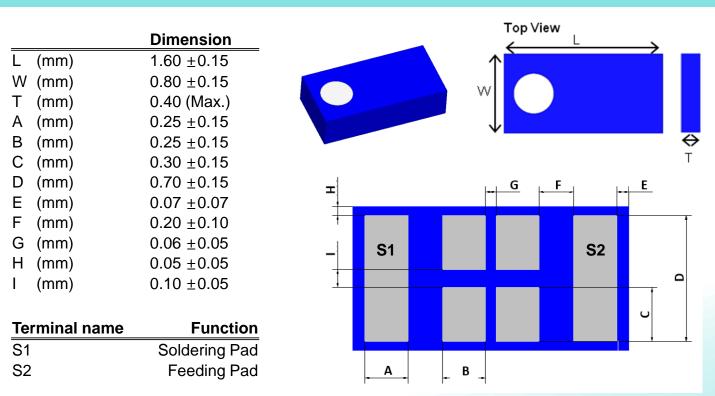
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ELECTRICAL SPECIFICATIONS

2.4 ~ 2.484 GHz
150 MHz(Typ.)
6.0 dB Max
Linear
Omni-directional
2.0 dBi(Typ.)
50 Ω
- 40~105 ℃
1 W
Ag (Environmentally-Friendly Leadless)
260 °C , 5sec .

NOTE

1. The specification is defined on Pulse evaluation board



MECHANICAL DRAWING

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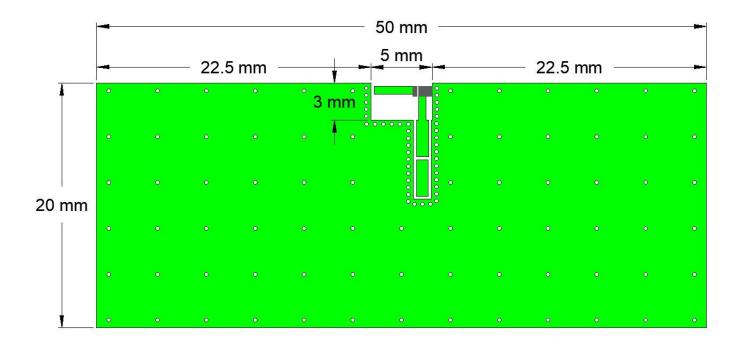


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REFERENCE DESIGN OF EVALUATION BOARD (SCENARIO 1)

♦SCENARIO 1



Outlook and dimension of evaluation board

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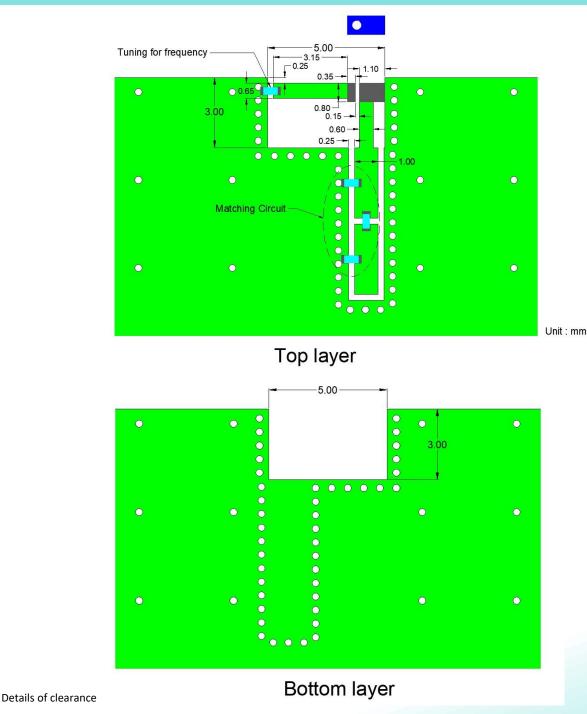
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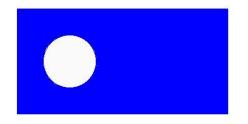


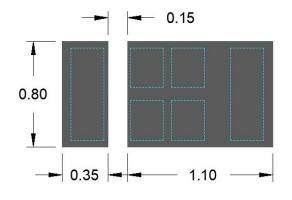


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REFERENCE DESIGN OF EVALUATION BOARD (SCENARIO 1)







Footprint

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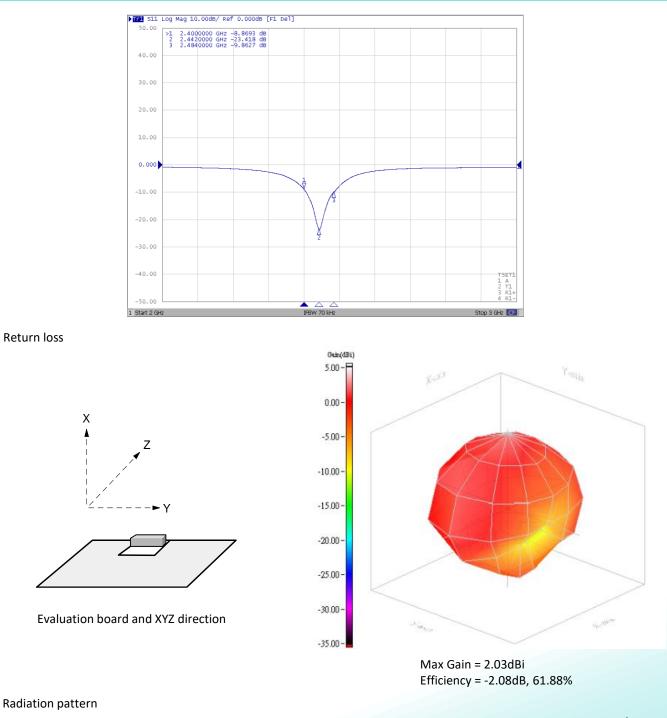
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Description : 1608 2.4G Chip Antenna

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ELECTRICAL PERFORMANCES (SCENARIO 1)



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Description : 1608 2.4G Chip Antenna

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REFERENCE DESIGN OF EVALUATION BOARD (SCENARIO 2)

♦SCENARIO 2 10 mm 10 mm 6 mm ---2.5 mm 50 mm 50 mm Top layer Bottom layer Outlook and dimension of evaluation board

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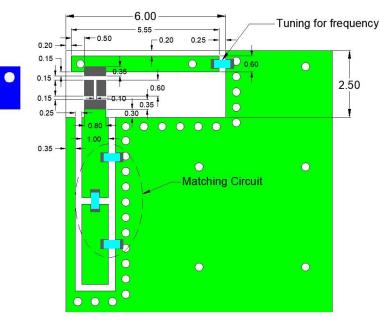




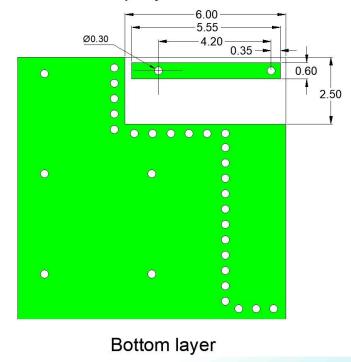
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REFERENCE DESIGN OF EVALUATION BOARD (SCENARIO 2)



Top layer



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Details of clearance

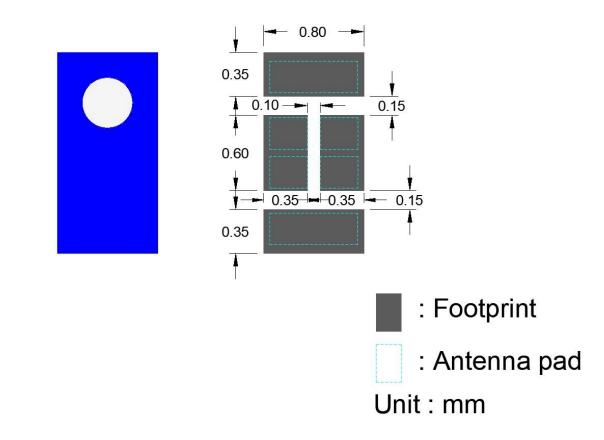




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REFERENCE DESIGN OF EVALUATION BOARD (SCENARIO 2)



Footprint

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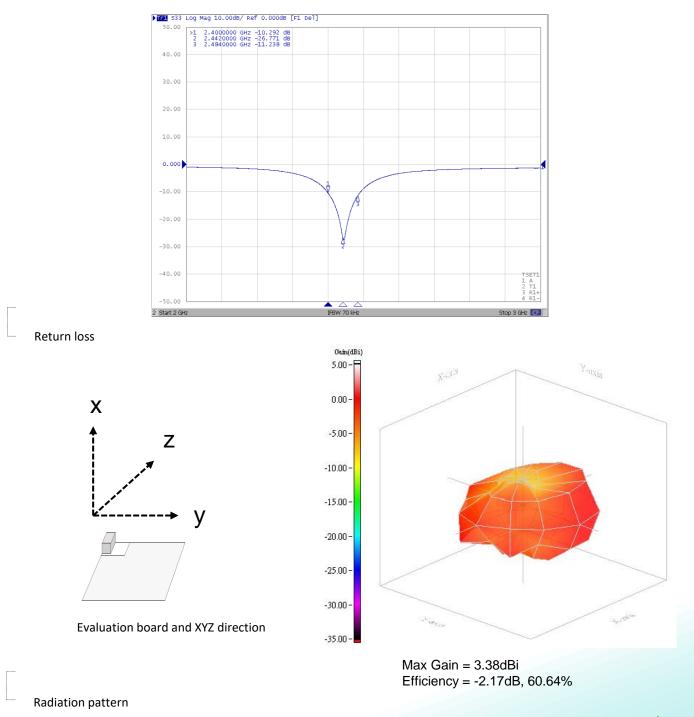
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ELECTRICAL PERFORMANCES (SCENARIO 2)



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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.	
Version 3	Oct. 2023	- Modified EVB drawing and added footprint drawing	

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