

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:**

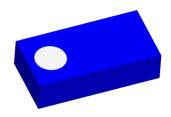
- 2.4GHz WiFi device
- Bluetooth device
- · Zigbee device
- ISM band equipment

#### All dimensions are in mm / inches

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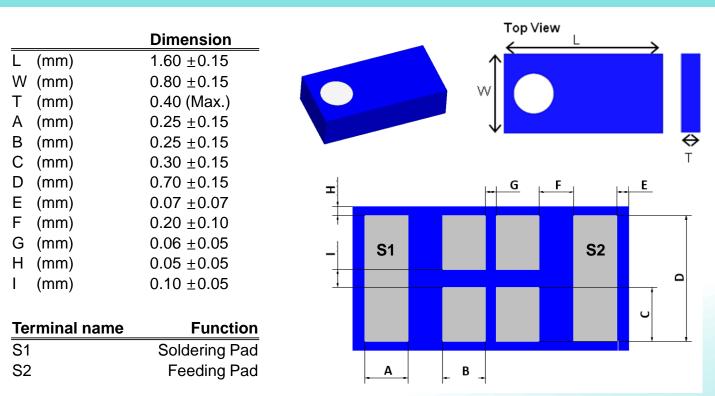
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### **ELECTRICAL SPECIFICATIONS**

| 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) |
| <b>260</b> °C , <b>5sec</b> .          |
|  |

NOTE

1. The specification is defined on Pulse evaluation board



### **MECHANICAL DRAWING**

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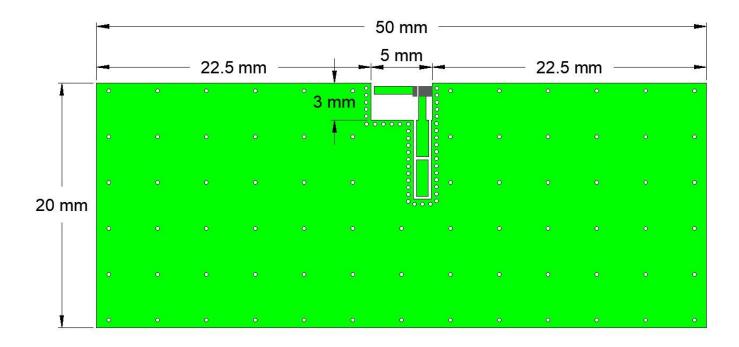


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### **REFERENCE DESIGN OF EVALUATION BOARD (SCENARIO 1)**

#### **♦SCENARIO** 1



Outlook and dimension of evaluation board

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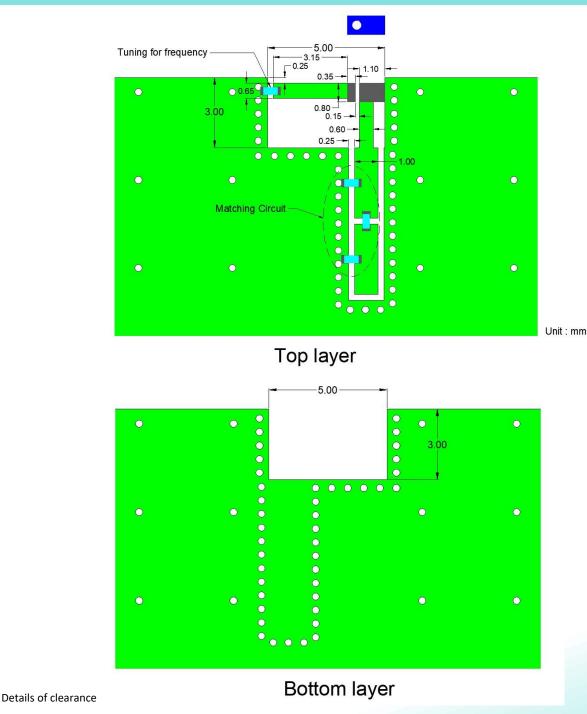
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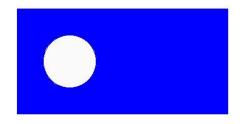


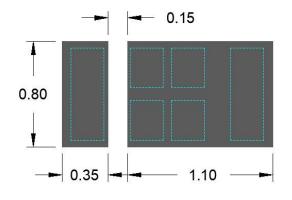


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### **REFERENCE DESIGN OF EVALUATION BOARD (SCENARIO 1)**







Footprint

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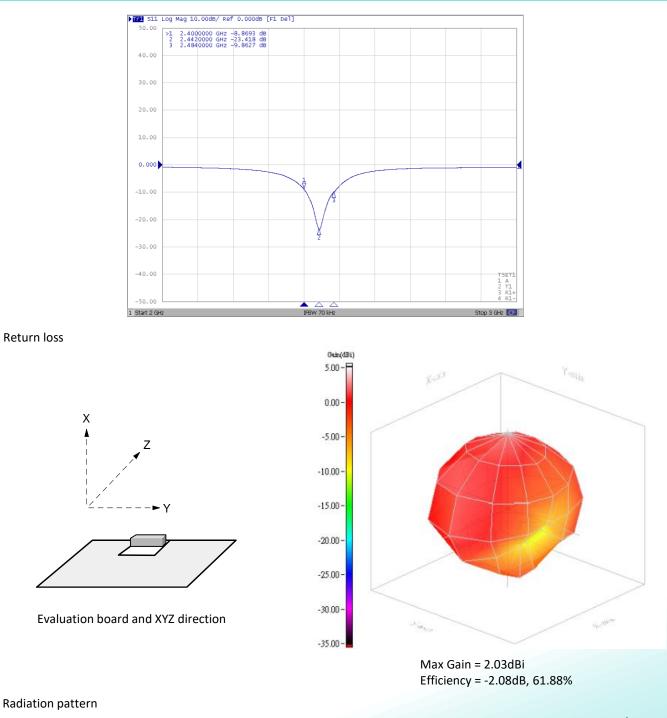
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### **ELECTRICAL PERFORMANCES** (SCENARIO 1)



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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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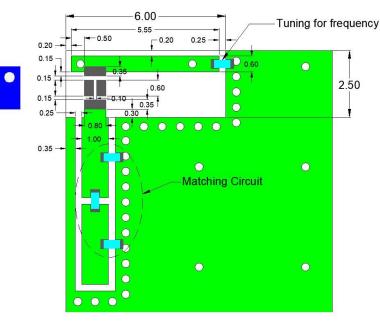




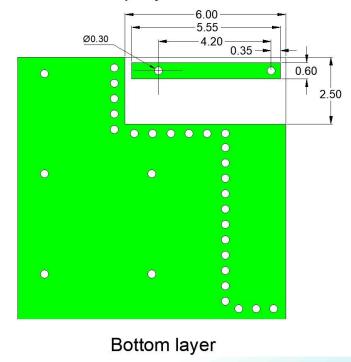
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## **REFERENCE DESIGN OF EVALUATION BOARD (SCENARIO 2)**



Top layer



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Details of clearance

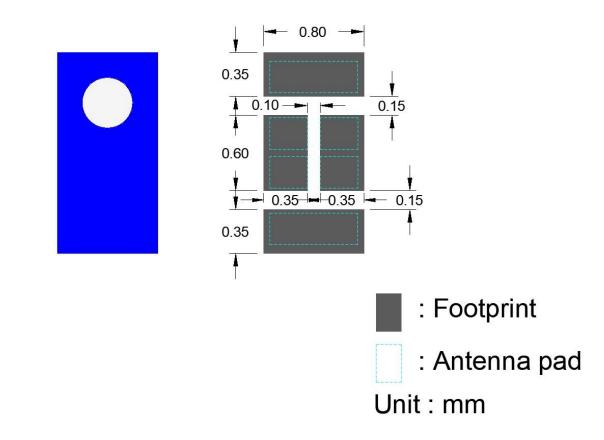




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### **REFERENCE DESIGN OF EVALUATION BOARD (SCENARIO 2)**



Footprint

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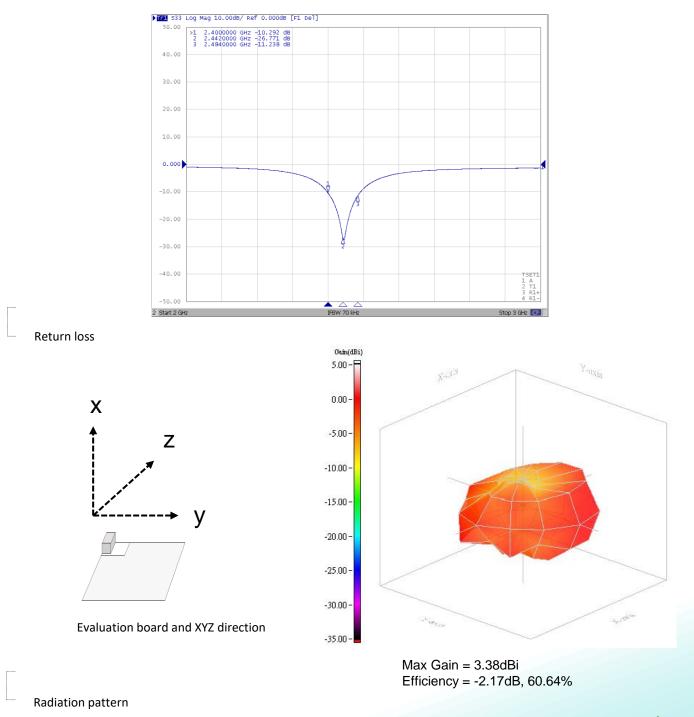
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### **ELECTRICAL PERFORMANCES** (SCENARIO 2)



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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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