

Description: 2012 2.4GHz Chip Antenna

PART NUMBER: ANT2012LL00R2400A

Features:

- Size : 2.0x1.2x1.1 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 gadget
- Zigbee device
- ISM band equipment

In the effort to improve our products, we reserve the right to make changes judged to be necessary. CONFIDENTIAL AND PROPRIETARY INFORMATION



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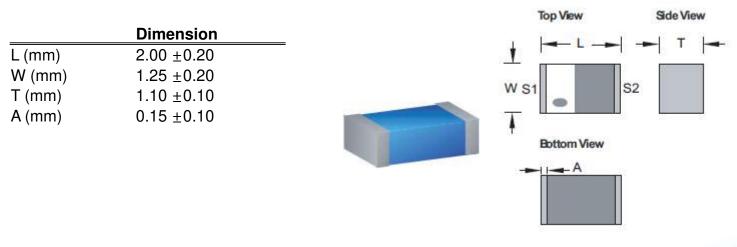
ELECTRICAL SPECIFICATIONS

| Working Frequency | 2.45 GHz |
|-------------------------------|---|
| Bandwidth | 370 MHz(Typ.) |
| Return Loss | 10.0 dB Min |
| Polarization | Linear |
| Azimuth Beamwidth | Omni-directional |
| Peak Gain | 3.77 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 ℃ , 10sec . |

NOTE

1. The specification is defined on Pulse evaluation board

MECHANICAL DRAWING



| Terminal name | Function |
|---------------|-----------------|
| S1 | Feeding Point |
| S2 | Soldering Point |

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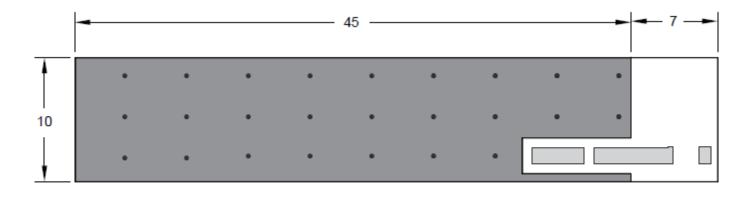
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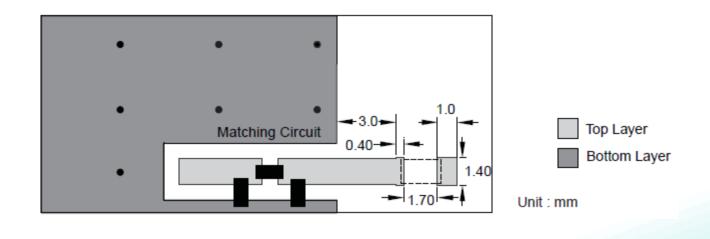
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REFERENCE DESIGN OF EVALUATION BOARD



Unit : mm

Outlook and dimension of evaluation board



Details of soldering Pad

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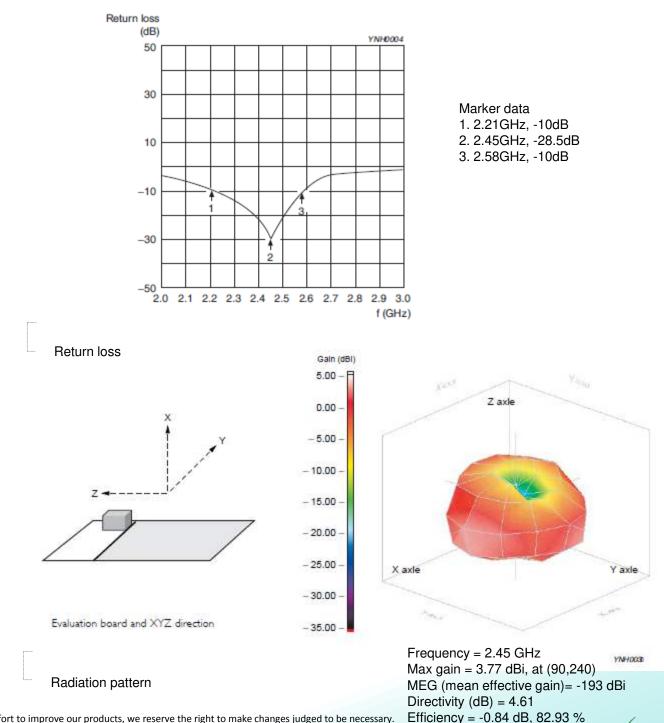
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ELECTRICAL PERFORMANCES



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| REVISION HISTORY | | | |
|------------------|---------------|-------------|--|
| Revision | Date | Description | |
| Version 1 | Oct. 13, 2020 | - New issue | |

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