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Pulse | LARSEN Antennas
A YAGEO Company

TECHNICAL DATA SHEET

Description: 1204 915MHz Chip Antenna

PART NUMBER: ANT1204LL05R0915A



Features:

- Size : 12.1x4.1x1.6 mm
- Omni-directional radiation
- Tape & reel automatic mounting
- Reflow process compatible
- RoHS compliant

Applications:

- Smart meter
- Industrial remote control
- ISM band equipment
- ZigBee device

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SPECIFICATIONS

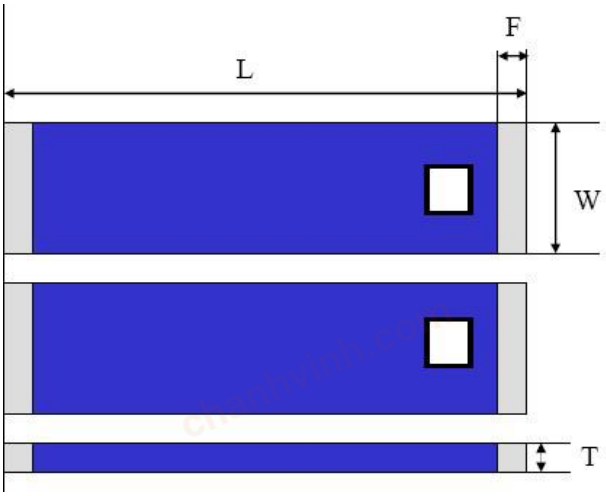
Working Frequency	915 MHz
Bandwidth	20 MHz(Typ.)
V.S.W.R.	2.0 dB Max.
Polarization	Linear
Azimuth Beamwidth	Omni-directional
Peak Gain	3.32 dBi(Typ.)
Impedance	50 Ω
Operating Temperature	- 40~105 ℃
Maximum Power	1 W
Termination	Ni / Sn (Environmentally-Friendly Leadless)
Peak Reflow Temperature	260℃ , 10sec.

NOTE
1. The specification is defined on Pulse evaluation board

MECHANICAL DRAWING

	Dimension
L (mm)	12.1 ±0.20
W (mm)	4.10 ±0.20
T (mm)	1.60 ±0.20
A (mm)	0.85 ±0.35

Terminal name	Function
W	Feeding Point
L	Soldering Point



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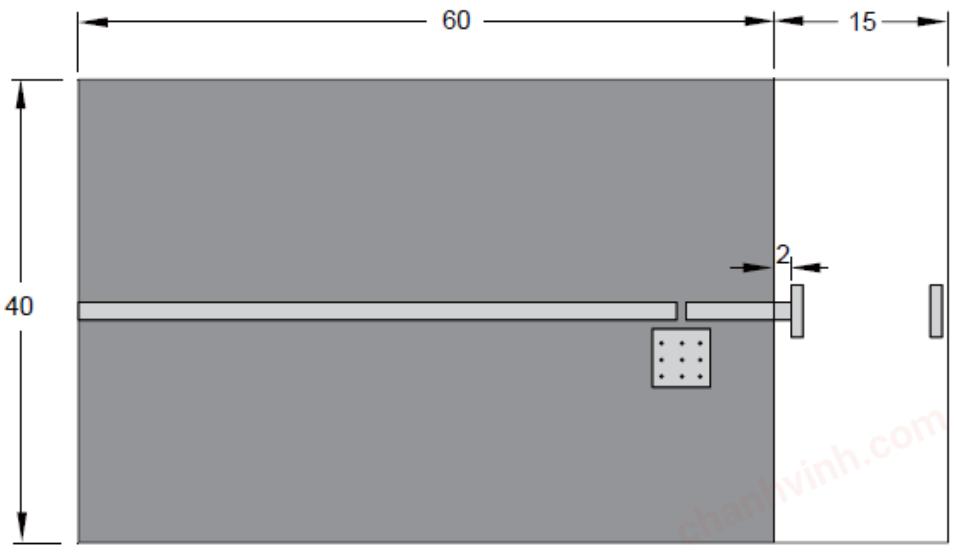
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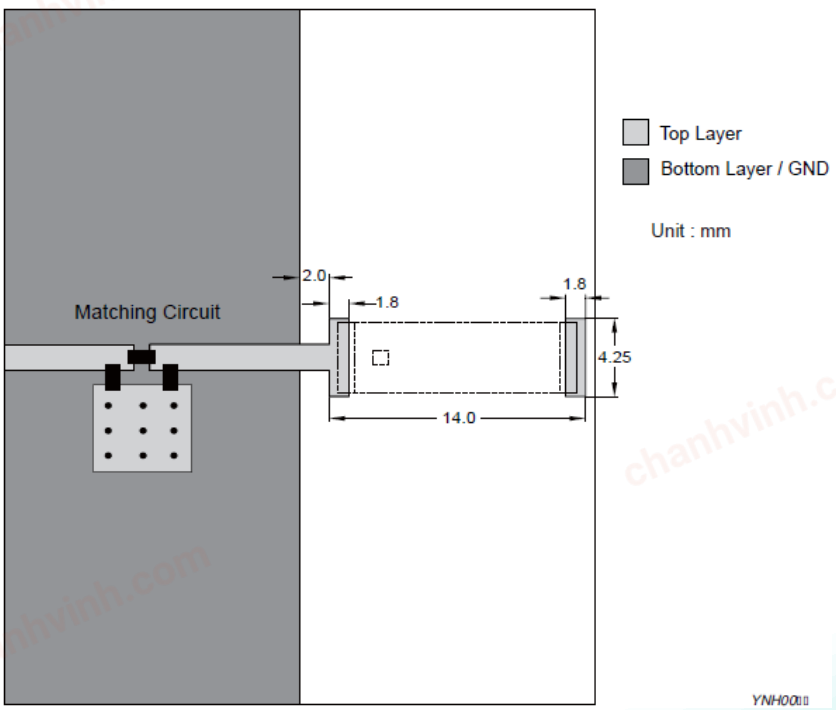
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REFERENCE DESIGN OF EVALUATION BOARD



Unit : mm

Outlook and dimension of evaluation board



Details of soldering Pad

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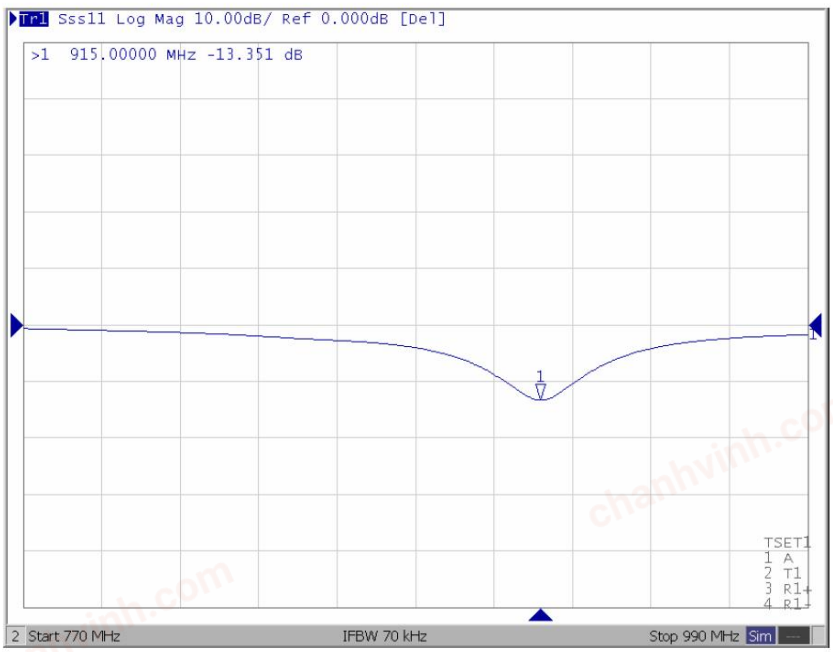
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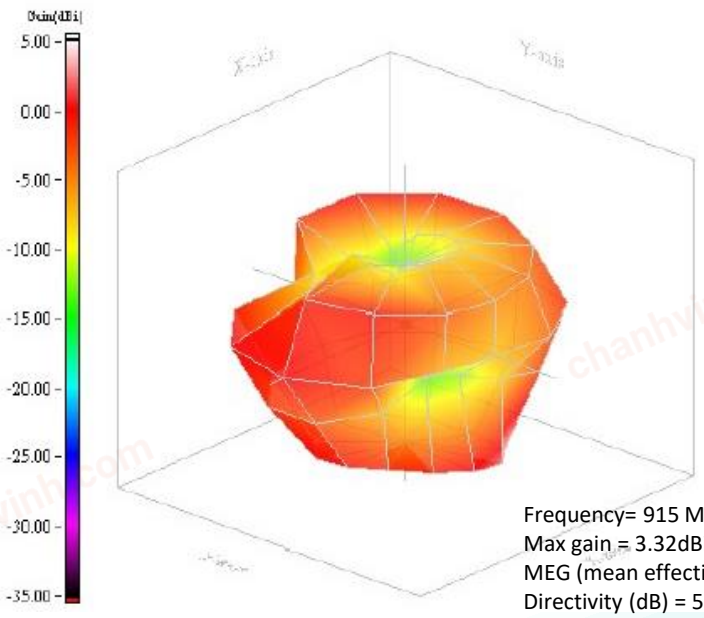
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ELECTRICAL PERFORMANCES



Return loss



Frequency= 915 MHz
Max gain = 3.32dBi, at (150,180)
MEG (mean effective gain)= -3.11 dBi
Directivity (dB) = 5.92
Efficiency = -2.60dB, 55.02 %

Radiation pattern

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REVISION HISTORY

Revision	Date	Description
Version 1	Oct. 14, 2020	- New issue
Version 2	January. 28, 2022	- Added product image. - Modified Description, Original: Resistance to Soldering Heats, Changed: Peak Reflow Temperature.

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RoHS COMPLIANT