

天线 ANT7020LL05R2400A

3100288023

2023.8.12

07/2023 8/12-24

TECHNICAL DATA SHEET

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Description: 7020 2.4-2.5GHz Chip Antenna

PART NUMBER: ANT7020LL05R2400A

Features:

- Size : 7.00x2.00x0.75 mm
- Omni-directional radiation
- Tape & reel automatic mounting
- Reflow process compatible
- RoHS compliant

Applications:

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

ELECTRICAL SPECIFICATIONS

Working Frequency	2.45 GHz
Bandwidth	500 MHz(Typ.)
Return Loss	10 dB Max.
Polarization	Linear
Azimuth Beamwidth	Omni-directional
Peak Gain	2.62 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°C , 10sec.

NOTE

1. The specification is defined on Pulse evaluation board

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

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MECHANICAL DRAWING

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Description: 7020 2.4-2.5GHz Chip Antenna**PART NUMBER:** ANT7020LL05R2400A**REFERENCE DESIGN OF EVALUATION BOARD** Outlook and dimension of evaluation board Details of soldering Pad

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

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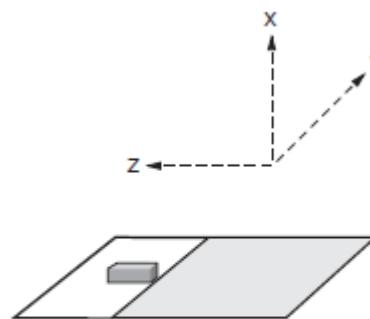
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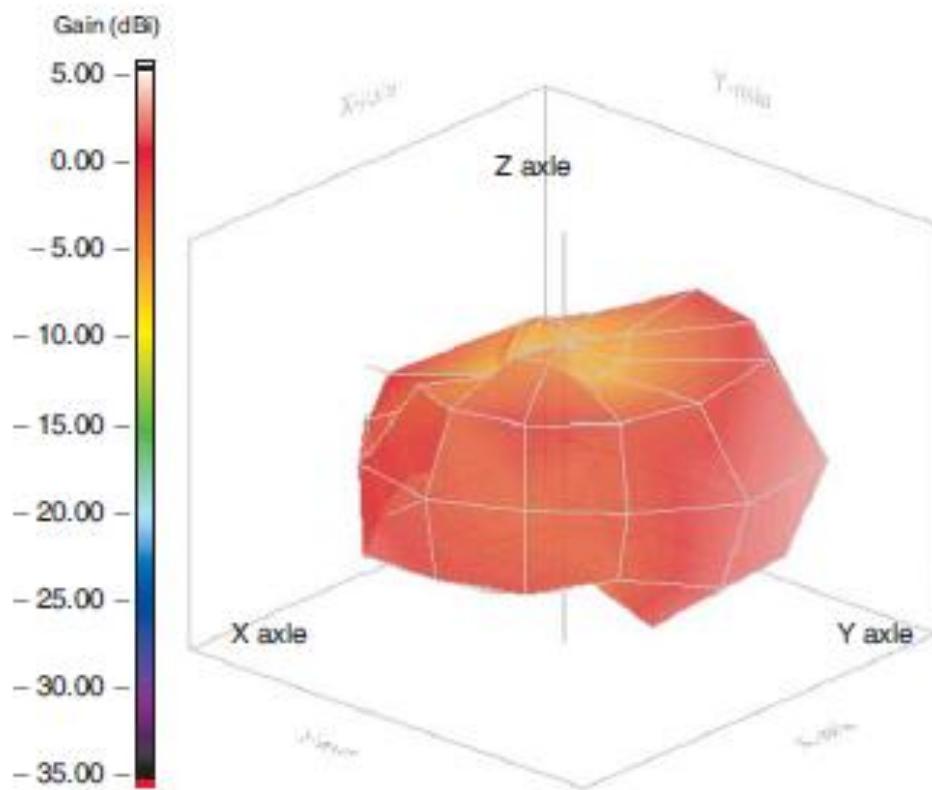
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REFERENCE DESIGN OF EVALUATION BOARD



Evaluation board and XYZ direction



Radiation pattern

YNH00123

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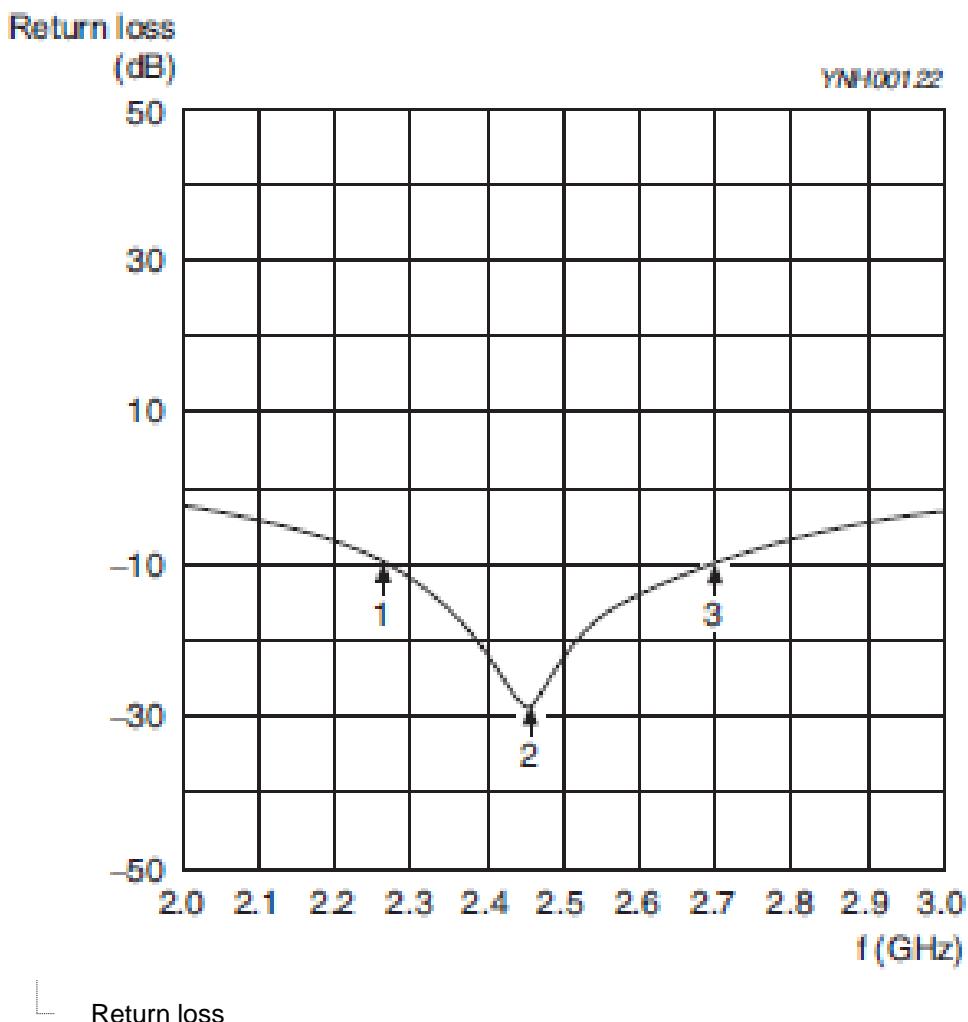
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ELECTRICAL PERFORMANCES



Maker data
2.27GHz, -10dB
2.45GHz, -28.3dB
2.69GHz, -10dB

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Description: 7020 2.4-2.5GHz Chip Antenna**PART NUMBER: ANT7020LL05R2400A****REVISION HISTORY**

Revision	Date	Description
Version 1	Nov. 20, 2020	- New issue

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