

Description: 7020 870MHz Chip Antenna

PART NUMBER: ANT7020LL05R0870A

Features:

- Size: 7.00x2.05x0.78 mm
- Omni-directional radiation
- · Tape & reel automatic mounting
- · Reflow process compatible
- RoHS compliant



Applications:

- Smart meter
- · Industrial remote control
- 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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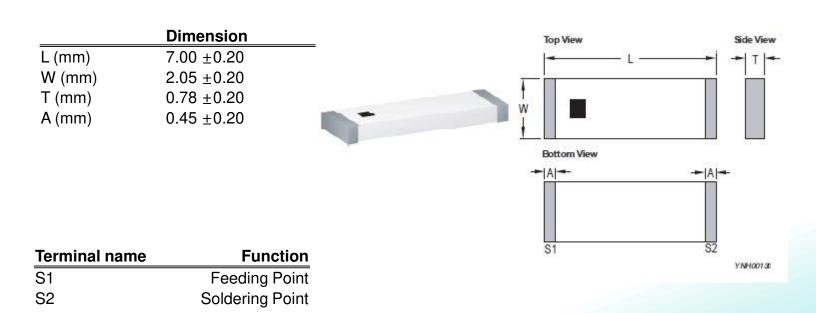
ELECTRICAL SPECIFICATIONS

Working Frequency 870 MHz **Bandwidth** 37 MHz(Typ.) **Return Loss** 10 dB Min. **Polarization** Linear **Azimuth Beamwidth** Omni-directional **Peak Gain** 1.83 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

MECHANICAL DRAWING

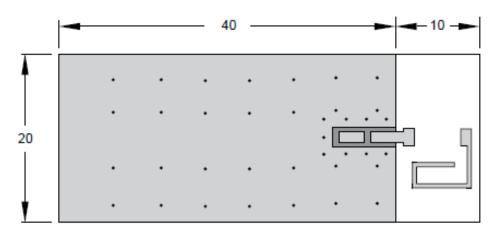




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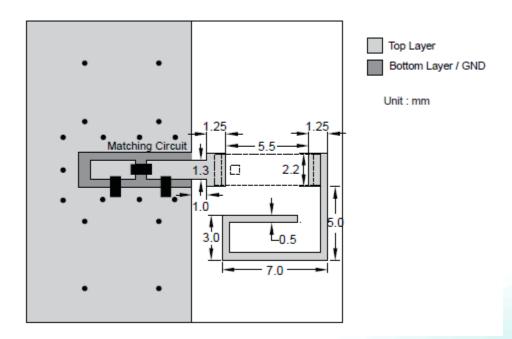
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REFERENCE DESIGN OF EVALUATION BOARD



Unit: mm

Outlook and dimension of evaluation board



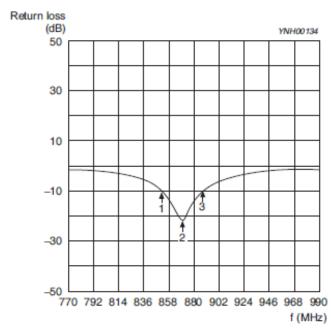
Details of soldering Pad



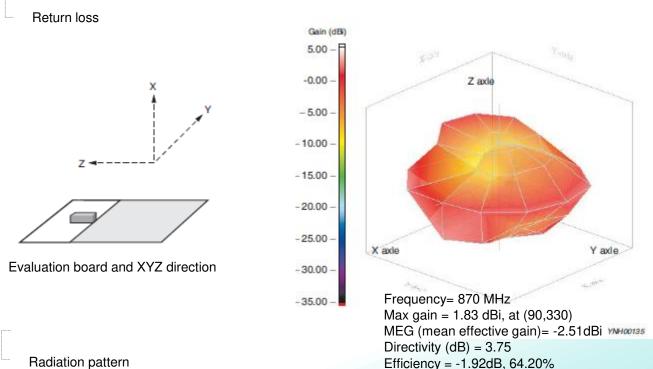
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ELECTRICAL PERFORMANCES



Maker data 1. 852MHz, -10dB 2. 870MHz, -22dB 3. 889MHz, -10dB



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REVISION HISTORY

Revision Date Description Oct. 14, 2020 Version 1 - New issue