

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

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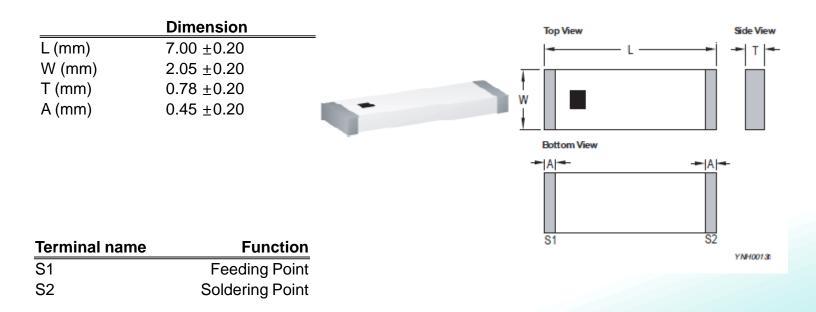
## **ELECTRICAL SPECIFICATIONS**

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 ℃
Maximum Power	1 W
Termination	Ni / Sn (Environmentally-Friendly Leadless)
Resistance to Soldering Heats	<b>260</b> ℃ , <b>10sec</b> .

NOTE

1. The specification is defined on Pulse evaluation board

#### **MECHANICAL DRAWING**



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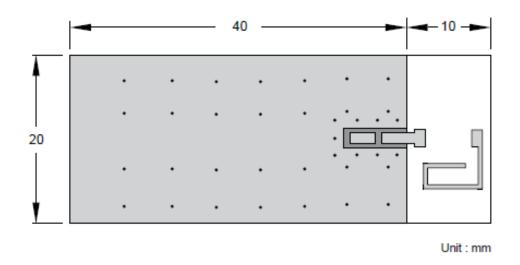
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## **REFERENCE DESIGN OF EVALUATION BOARD**



#### Outlook and dimension of evaluation board

Top Layer Bottom Layer / GND Unit : mm latching  $\Box$ 0 3.0 0.5 7.0

Details of soldering Pad

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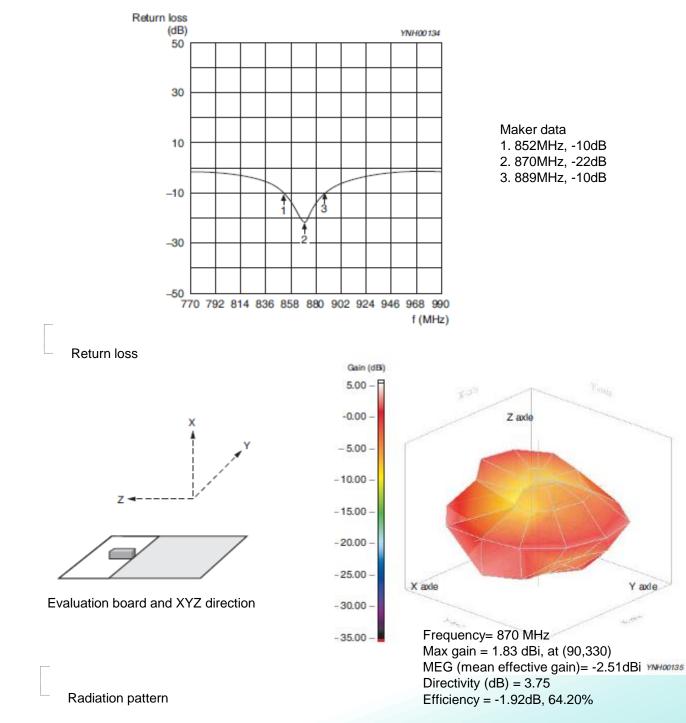




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## **ELECTRICAL PERFORMANCES**



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

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