

Description: 3216 UWB 6.5-8GHz Chip Antenna

### PART NUMBER: ANT3216LL00R6580A

## Features:

- Size : 3.2x1.6x1.2 mm
- Omni-directional Radiation
- Tape & reel automatic mounting
- · Reflow process compatible
- RoHS compliant

## **Applications:**

- Smart tag
- Indoor navigation
- Access management
- RTLS B2B
- UWB group Channel 5 (6.5GHz) to Channel 9 (8GHz)

#### **ELECTRICAL SPECIFICATIONS**

Working Frequency Bandwidth Return Loss Polarization Azimuth Beamwidth Peak Gain Impedance Operating Temperature Maximum Power Termination Resistance to Soldering Heats 6200 ~ 8200MHz 2000 MHz 10 dB (Min.) Linear Omni-directional 2 dBi (Min.) 50 Ω - 30 ~ 85 °C 1 W Ni / Sn (Environmentally-Friendly Leadless) 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. CONFIDENTIAL AND PROPRIETARY INFORMATION



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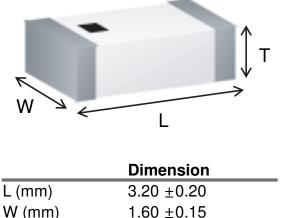
Pulse Worldwide Headquarters 15255 Innovation Drive #100 San Diego, CA 92128 USA Tel:1-858-674-8100 Pulse/Larsen Antennas 18110 SE 34<sup>th</sup> St Bldg 2 Suite 250 Vancouver, WA 98683 USA Tel: 1-360-944-7551 Europe Headquarters Pulse GmbH & Do, KG Zeppelinstrasse 15 Herrenberg, Germany Tel: 49 7032 7806 0 Pulse (Suzhou) Wireless Products Co, Inc. 99 Huo Ju Road(#29 Bldg,4<sup>th</sup> Phase Suzhou New District Jiangsu Province, Suzhou 215009 PR China Tel: 86 512 6807 9998



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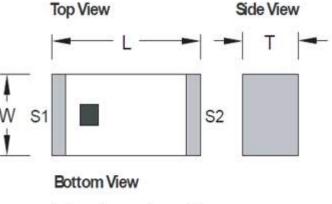
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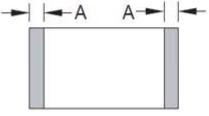
### **MECHANICAL DRAWING**



L (mm)	3.20 <u>+</u> 0.20	
W (mm)	1.60 ±0.15	
T (mm)	1.20 <u>+</u> 0.15	
A (mm)	0.40 ±0.25	

Terminal name	Function
S1	Feeding Point
S2	Soldering Point





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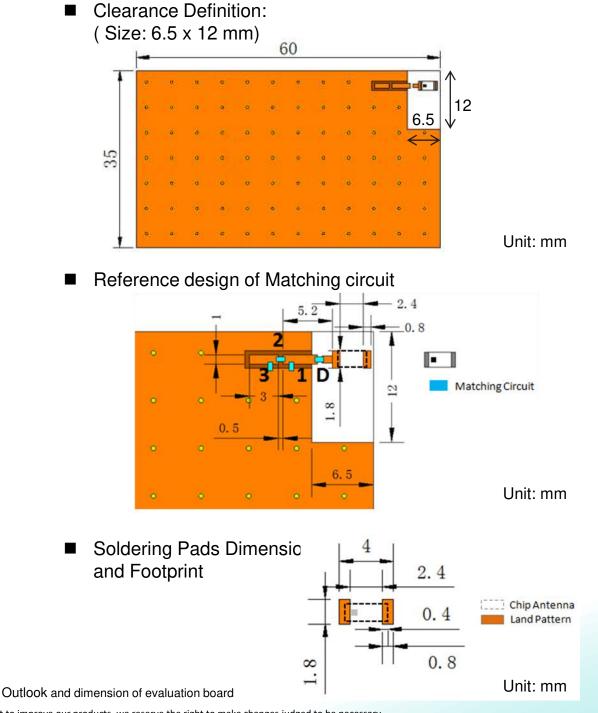
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## LAYOUT OF EVALUATION BOARD



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## ELECTRICAL PERFORMANCES



Return loss

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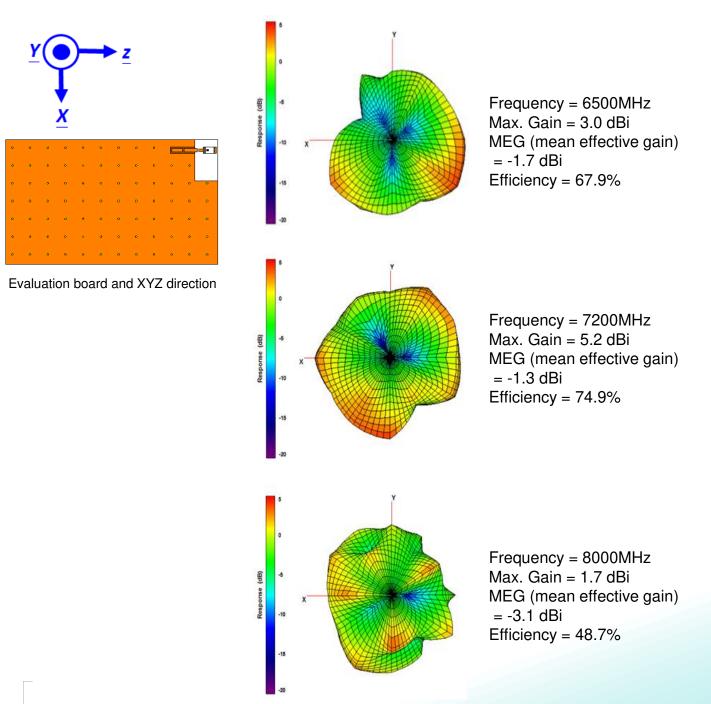
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#### **ELECTRICAL PERFORMANCES**



Radiation pattern

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REVISION HISTORY			
Revision	Date	Description	
Version 1	Aug. 5, 2021	- New issue.	

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