

Description: 8010 GPS 1.5GHz Chip Antenna

PART NUMBER: ANT8010LL05R1575A

Features:

- Size : 8.0x1.0x1.0 mm
- High radiation efficiency
- Reflow process compatible (SMD only)
- · RoHS compliant



Applications:

- Tablet (for chip)
- Navigation device
- Telematics box
- Fleet management

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



This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and other state and rederal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything it may describe. Reproduction, disclosure or use without specific written authorization of Pulse is strictly forbidden. For more information:

Pulse Worldwide Headquarters 15255 Innovation Drive #100 San Diego, CA 92128 USA Tel:1-858-674-8100 Pulse/Larsen Antennas 18110 SE 34th 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,4th Phase Suzhou New District Jiangsu Province, Suzhou 215009 PR China Tel: 86 512 6807 9998 1



Description: 8010 GPS 1.5GHz Chip Antenna

PART NUMBER: ANT8010LL05R1575A

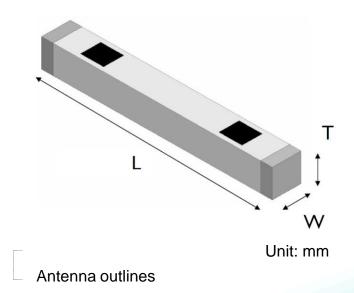
ELECTRICAL SPECIFICATIONS

Centre Frequency	1.575 GHz
Bandwidth	50 MHz (Typ.)
Return Loss	10 dB Min
Polarization	Linear
Azimuth Beamwidth	Omni-directional
Peak Gain	0.67 dBi(Typ.)
Impedance	50 Ω
Operating Temperature	- 40~105 ℃
Maximum Power	1 W
Termination	Ni / Sn (Environmentally-Friendly Leadless)
Resistance to Soldering Heats	260 ℃ , 10sec .

NOTE

1. The specification is defined on Pulse evaluation board

MECHANICAL DRAWING



	Dimension
L (mm)	8.00 ±0.20
W (mm)	1.00 ±0.20
T (mm)	1.00 ±0.20

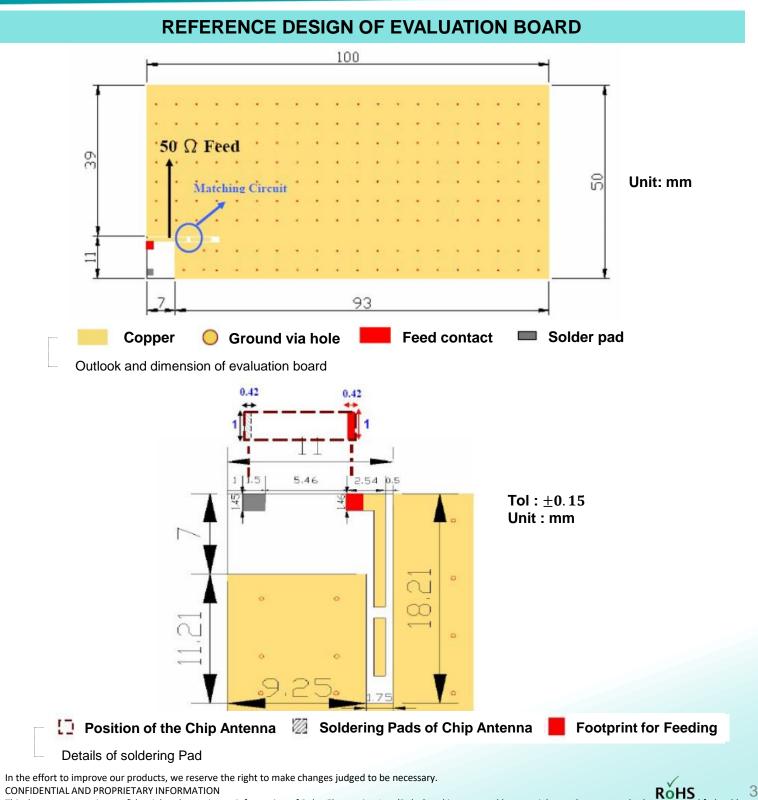
In the effort to improve our products, we reserve the right to make changes judged to be necessary. CONFIDENTIAL AND PROPRIETARY INFORMATION

CONFIDENTIAL AND PROPRIETARY INFORMATION **ROHS** 2 This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything it may describe. Reproduction, disclosure or use without specific written authorization of Pulse is strictly forbidden.



Description: 8010 GPS 1.5GHz Chip Antenna

PART NUMBER: ANT8010LL05R1575A



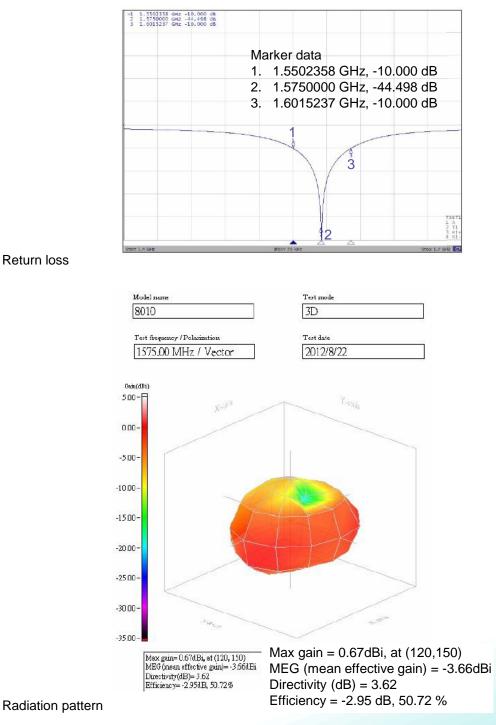
This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything it may describe. Reproduction, disclosure or use without specific written authorization of Pulse is strictly forbidden.



Description: 8010 GPS 1.5GHz Chip Antenna

PART NUMBER: ANT8010LL05R1575A

ELECTRICAL PERFORMANCES



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

CONFIDENTIAL AND PROPRIETARY INFORMATION ROHS 4 This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything it may describe. Reproduction, disclosure or use without specific written authorization of Pulse is strictly forbidden.



5

Description: 8010 GPS 1.5GHz Chip Antenna

PART NUMBER: ANT8010LL05R1575A

REVISION HISTORY Revision Description Date Version 1 - New issue for Pulse version. Feb. 18, 2020

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

RoHS This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and others teand federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything it may describe. Reproduction, disclosure or use without specific written authorization of Pulse is strictly forbidden.