

TECHNICAL DATA SHEET Description: 8010 GPS/Galileo&GLONASS Chip Antenna

PART NUMBER: ANT8010LL05R1516A

Features:

- Size : 8.0x1.0x1.0 mm
- Support GPS/Galileo & GLONASS system
- · High radiation efficiency
- Reflow process compatible (SMD only)
- RoHS compliant



Applications:

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

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ELECTRICAL SPECIFICATIONS

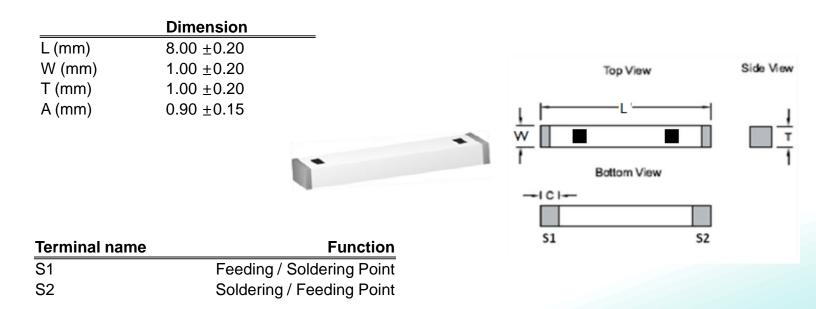
Working Frequency Bandwidth Return Loss Polarization Azimuth Beamwidth

Peak Gain

Impedance Operating Temperature Maximum Power Termination Resistance to Soldering Heats 1.575 / 1.602 GHz 80 MHz(Typ.) 10.0 dB Min Linear Omni-directional GPS / Galileo 1.53 dBi (Typ.) GLONASS 1.69 dBi (Typ.) 50 Ω - 40~105 °C 1 W Ni / Sn (Environmentally-Friendly Leadless) 260°C , 10sec.

NOTE

1. The specification is defined on Pulse evaluation board MECHANICAL DRAWING



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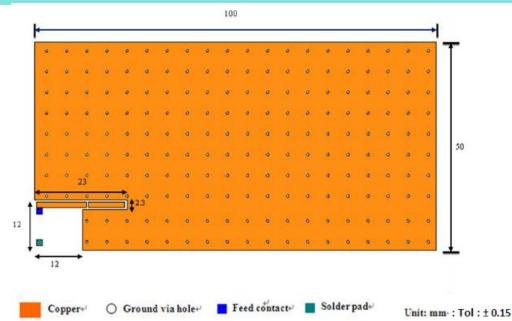
CONFIDENTIAL AND PROPRIETARY INFORMATION **ROHS** 2 This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose 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. LARSEN Antennas

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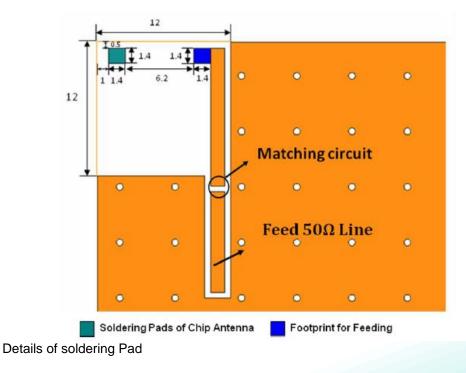
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REFERENCE DESIGN OF EVALUATION BOARD



Outlook and dimension of evaluation board



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Return loss

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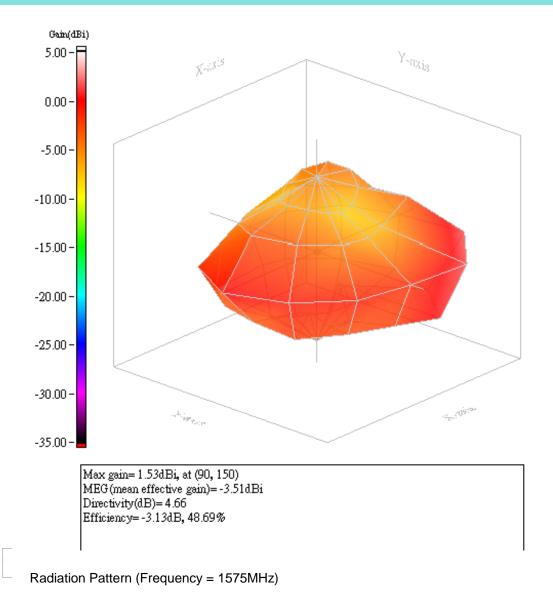


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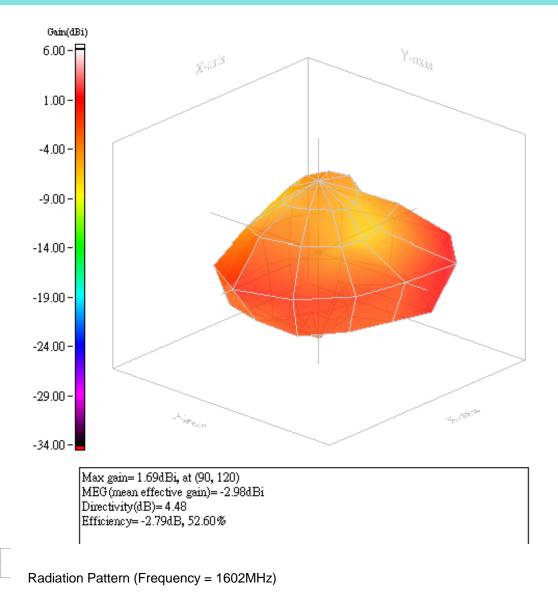


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