

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

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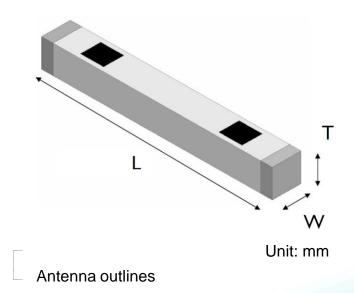
ELECTRICAL SPECIFICATIONS

| 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 |

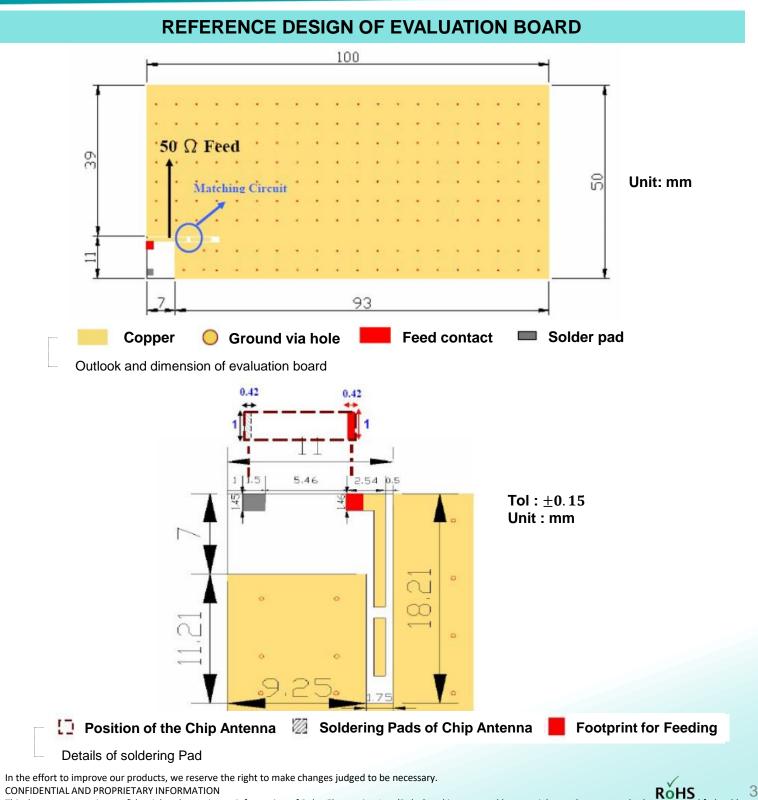
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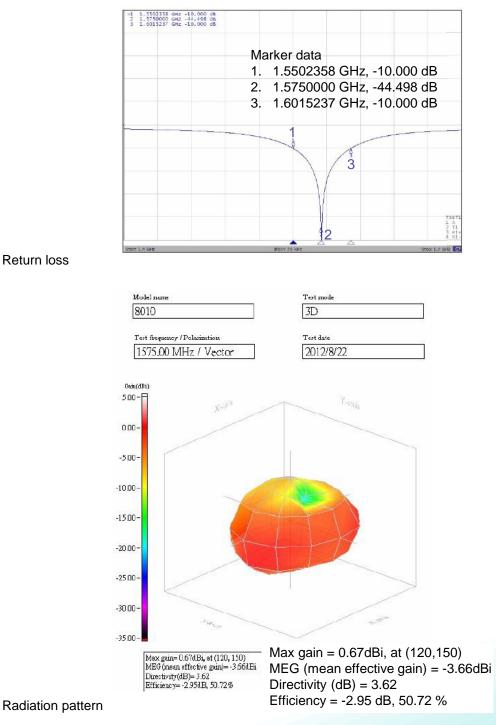
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ELECTRICAL PERFORMANCES



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

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