

**Description:** PIN 25x25x7 GPS Active Antenna

**PART NUMBER: ANT2525JB08B1575A**

**Features:**

- Size : 25.0x25.0x7.0 mm
- High radiation efficiency
- Integrated LNA
- Flexible cable/connector option
- RoHS compliant

**Applications:**

- Navigation device
- Telematics box
- Tracker

**Ceramic Patch Antenna ELECTRICAL SPECIFICATIONS**

<b>Description</b>	<b>VALUE</b>
<b>Dimension</b>	25×25×4 mm <sup>3</sup>
<b>Centre Frequency</b>	GPS 1575 ± 2 MHz
<b>Gain</b>	5.5 dBic (Typ.)
<b>VSWR</b>	2.0 Max.
<b>Polarization</b>	Right Hand Circular Polarization
<b>Impedance</b>	50Ω
<b>Axis Ratio</b>	≤ 3dB
<b>Beam Width</b>	> 150 Degrees

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

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**LNA ELECTRICAL SPECIFICATIONS**

<b>Description</b>	<b>VALUE</b>
<b>Centre Frequency</b>	1575 ± 1.023 MHz
<b>Gain</b>	16 dB(Typ.)
<b>Output VSWR</b>	1.5 (Max.)
<b>Noise Figure</b>	1.4 dB (Typ.)
<b>Supply Voltage</b>	3.0 ± 0.3V
<b>Current Consumption</b>	5.0 mA (Typ.)
<b>Power Consumption</b>	15.0 mW (Typ.)
<b>Output Impedance</b>	50Ω
<b>Operating Temperature</b>	-30 ~ +85 °C
<b>Humidity</b>	< 95% .
<b>Storage Temperature</b>	-40 ~ +125 °C

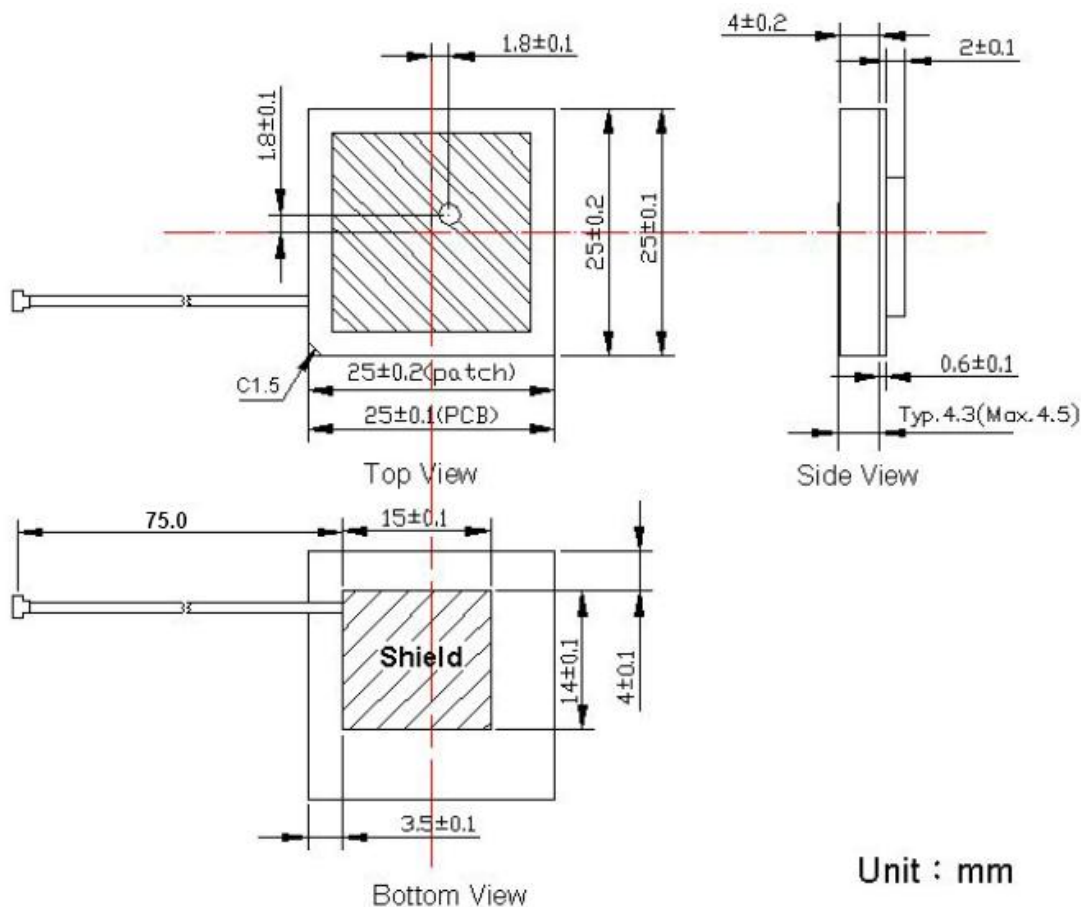
**NOTE**

1. Based on 70×70 mm<sup>2</sup> ground plane (with customer's housing)
2. Centre frequency will be offset to working frequency while changes of customer's housing and ground plane.
3. Please contact local sales if you need customized design to gain optimum antenna performance.

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**ELECTRICAL SPECIFICATIONS**



Unit : mm

Length	25.0 +/- 0.2 mm
Width	25.0 +/- 0.2 mm
Thickness	6.9 +/- 0.2 mm
Cable	Diameter= 1.13 mm; Length= 75 mm
Connector	I-pex
Shielding Case	15x14x2 mm

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### REVISION HISTORY

Revision	Date	Description
Version 1	Nov. 23, 2020	- New issue

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