

**Description** : 25x25x6.9 GNSS Active Antenna  
(25x25x4 mm<sup>3</sup> Patch Antenna)

**PART NUMBER: ANT2525JB12BGNSSA**

### Features:

- Size: 25 \* 25 \* 6.9 mm<sup>3</sup>
- High Gain
- Reflow Process compatible
- RoHS compliant

### Applications:

- Navigation device
- Telematics box
- Fleet management

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

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## ELECTRICAL SPECIFICATIONS

### *Ceramic Patch Antenna Specifications*

<b>Dimension</b>	25×25×4 mm <sup>3</sup>
<b>Centre Frequency</b>	BD 1561 ± 4 MHz GPS 1575.42 ± 3 MHz GLONASS 1602 ~ 1615.5 MHz
<b>Peak Gain</b>	3.0 dBic (Max.)
<b>VSWR</b>	2.0 Max.
<b>Polarization</b>	Right Hand Circular Polarization

### *LNA Specifications*

<b>Centre Frequency</b>	BD 1561 ± 4 MHz GPS 1575.42 ± 3 MHz GLONASS 1602 ~ 1615.5 MHz
<b>Gain</b>	30 ± 3 dB
<b>Output VSWR</b>	2.0 (Max.)
<b>Noise Figure</b>	< 1.5 dB
<b>Supply Voltage</b>	1.5 ~ 3.6 V
<b>Current Consumption</b>	10 mA (Max.) @ DC 3.3V
<b>Output Impedance</b>	50 Ω
<b>Operating Temperature</b>	-40 ~ +85 °C
<b>Humidify</b>	< 95 % RH
<b>Storage Temperature</b>	-40 ~ +90 °C

#### NOTE

1. Based on 70×70 mm<sup>2</sup> ground plane for testing value
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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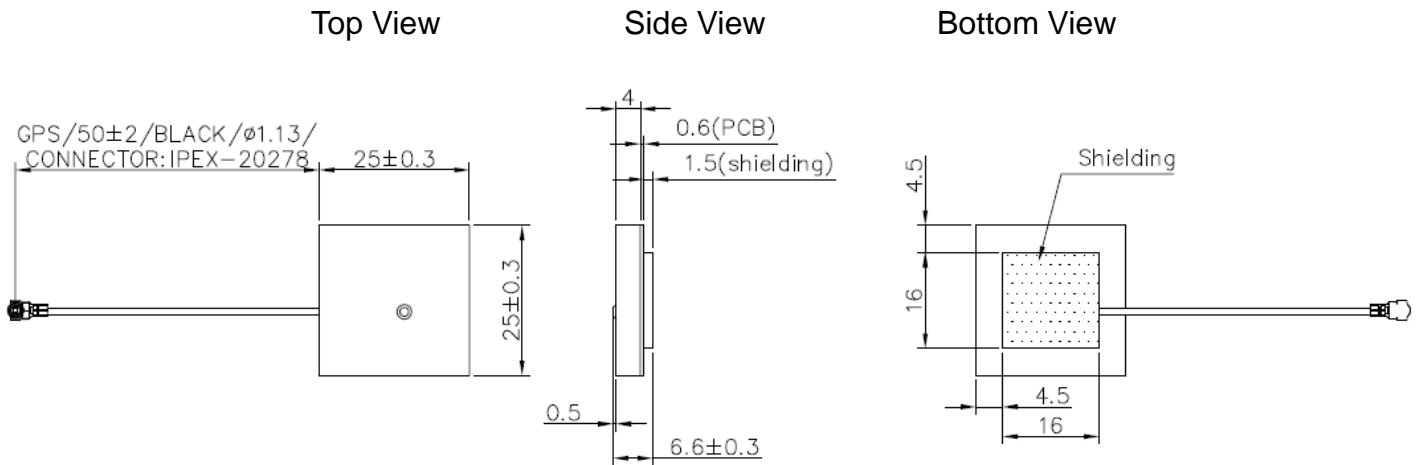
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**OUTLINES AND DIMENSION**

<b>Length</b>	25.0 ± 0.3mm
<b>Width</b>	25.0 ± 0.3mm
<b>Thickness</b>	6.6 ± 0.3mm
<b>Cable</b>	50 ± 2 mm ; OD = 1.13 mm Coaxial cable ; Black
<b>Connector</b>	IPEX Connector 20278



Unit : mm  
Tolerance : +/- 0.3mm

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**PART NUMBER**

The Part Number are identified by the series, packing method, material/process, size, antenna serial no., and working frequency :

**Part Number :**

ANT 2525 J B12 B GNSS A  
F S T N P W

**F, Family Code**

**ANT** = Antenna

**S, Size**

**2525** = 25 x 25 mm

**T, Type**

**J** = Low-K Material

**N, Serial No.**

**B12**

**P, Packing Style**

**B** = Bag packing

**W, Working Frequency**

**GNSS** = 1561MHz + 1575.42 MHz + 1602MHz

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### REVISION HISTORY

Revision	Date	Description
Version 1	May. 28, 2021	- New issue for Pulse version.