

Description : 25x25x6.9 GNSS Active Antenna
(25x25x4 mm³ Patch Antenna)

PART NUMBER: ANT2525JB12BGNSSA

Features:

- Size: 25 * 25 * 6.9 mm³
- 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

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

LNA Specifications

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

NOTE

1. Based on 70×70 mm² 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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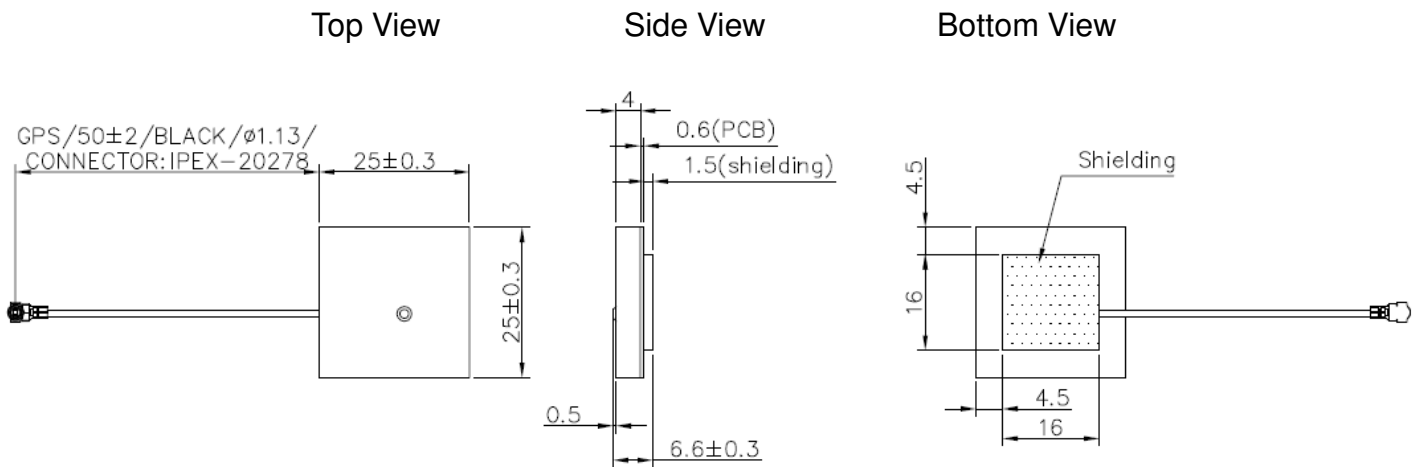
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OUTLINES AND DIMENSION

Length	25.0 ± 0.3mm
Width	25.0 ± 0.3mm
Thickness	6.6 ± 0.3mm
Cable	50 ± 2 mm ; OD = 1.13 mm Coaxial cable ; Black
Connector	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.