

Description: 25x25x12 GNSS+L2 Active Antenna

PART NUMBER: ANT1825JB01BGNL2A

Features:

- Size: 25x25x12 mm³
- High radiation efficiency
- Low noise figure
- RoHS compliant

Applications:

- Navigation device
- Telematics box
- Fleet management

SPECIFICATIONS

Ceramic Patch Antenna

DESCRIPTION	VALUE
Dimension	25x25x9.0 mm ³
Centre Frequency	L2 Band : 1227.6 MHz BD : 1561 MHz GPS : 1575.42 MHz GLONASS : 1602 MHz
Bandwidth	L2 Band : 1227.6 ± 10MHz BD : 1561 ± 2MHz GPS : 1575.42 ± 2MHz GLONASS : 1602 ± 4MHz
Peak Gain	L2 Band : 2.58 dBic BD : 1.80 dBic GPS : 2.5 dBic GLONASS : 1.86 dBic
VSWR	2.0 Max.
Polarization	Right Hand Circular Polarization

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

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SPECIFICATIONS

LNA

DESCRIPTION	VALUE
Centre Frequency	L2 Band : 1227.6 MHz
	BD : 1561 MHz
	GPS : 1575.42 MHz
	GLONASS : 1602 MHz
Gain	L2 Band : 38 ± 3 dB
	BD : 38 ± 3 dB
	GPS : 38 ± 3 dB
	GLONASS : 38 ± 3 dB
Output VSWR	2.0 (Max.)
Noise Figure	< 1.5 dB
Supply Voltage	3.0 ~ 3.6 V
Current Consumption	15 mA (Max.)
Output Impedance	50Ω
Operating Temperature	-30 ~ +85 °C
Humidity	< 95%
Storage Temperature	-40 ~ +90 °C

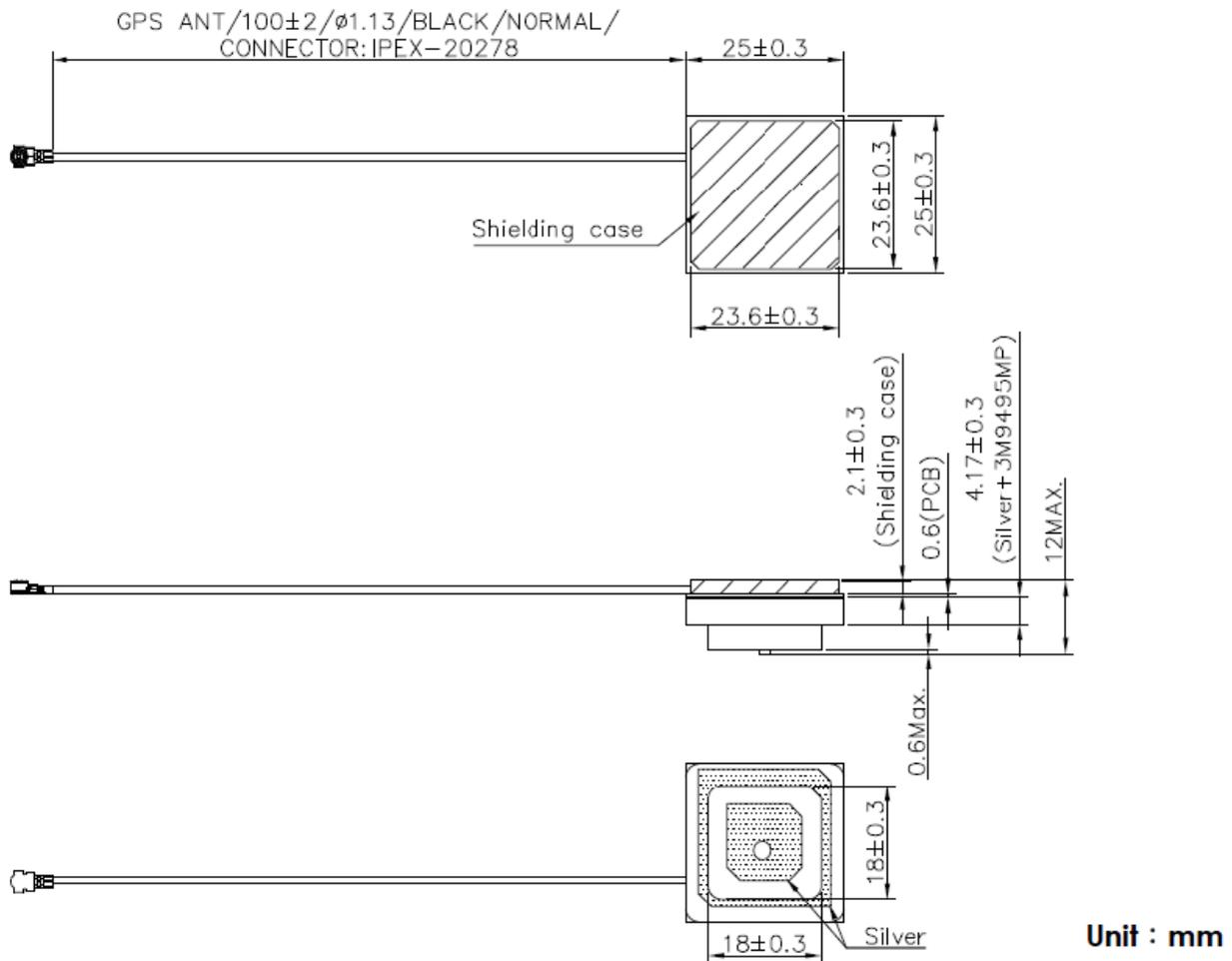
NOTE

1. Based on 25×25 mm² ground plane (free space)
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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MECHANICAL DRAWING



Length	25.0 ± 0.3 mm
Width	25.0 ± 0.3 mm
Thickness	12 mm (Max.)
Cable	Diameter = 1.13 mm ; Length = 100 mm ± 2 mm ; Black
Connector	I-PEX Connector 20278

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REVISION HISTORY

Revision	Date	Description
Version 1	Feb. 4, 2021	- New issue for Pulse version.