

DATA SHEET

WIRELESS COMPONENTS

Active Antenna

ANT2525JB08B1575A

GPS

PIN 25x25x7 mm



FEATURES

- High radiation efficiency
- Integrated LNA
- Flexible cable/connector option
- RoHS compliant

APPLICATIONS

- Navigation device
- Telematics box
- Tracker

ORDERING INFORMATION

All part numbers are identified by the series, packing type, material, size, antenna type, working frequency and packing quantity.

PART NUMBER

ANT 2525 J B08 B I575A
 (1) (2) (3) (4) (5) (6)

(1) PRODUCT

ANT = Antenna

(2) SIZE

2525 = 25×25 mm

(3) ANTENNA TYPE

J=Integrated Antenna

(4) SERIAL NO.

B08

(5) PACKING STYLE

B=Bag

(6) WORKING FREQUENCY

I575 = 1.575 GHz

PHYCOMP CTC

CAN4313325081581B

I2NC

431332508158

SPECIFICATION
Ceramic Patch antenna

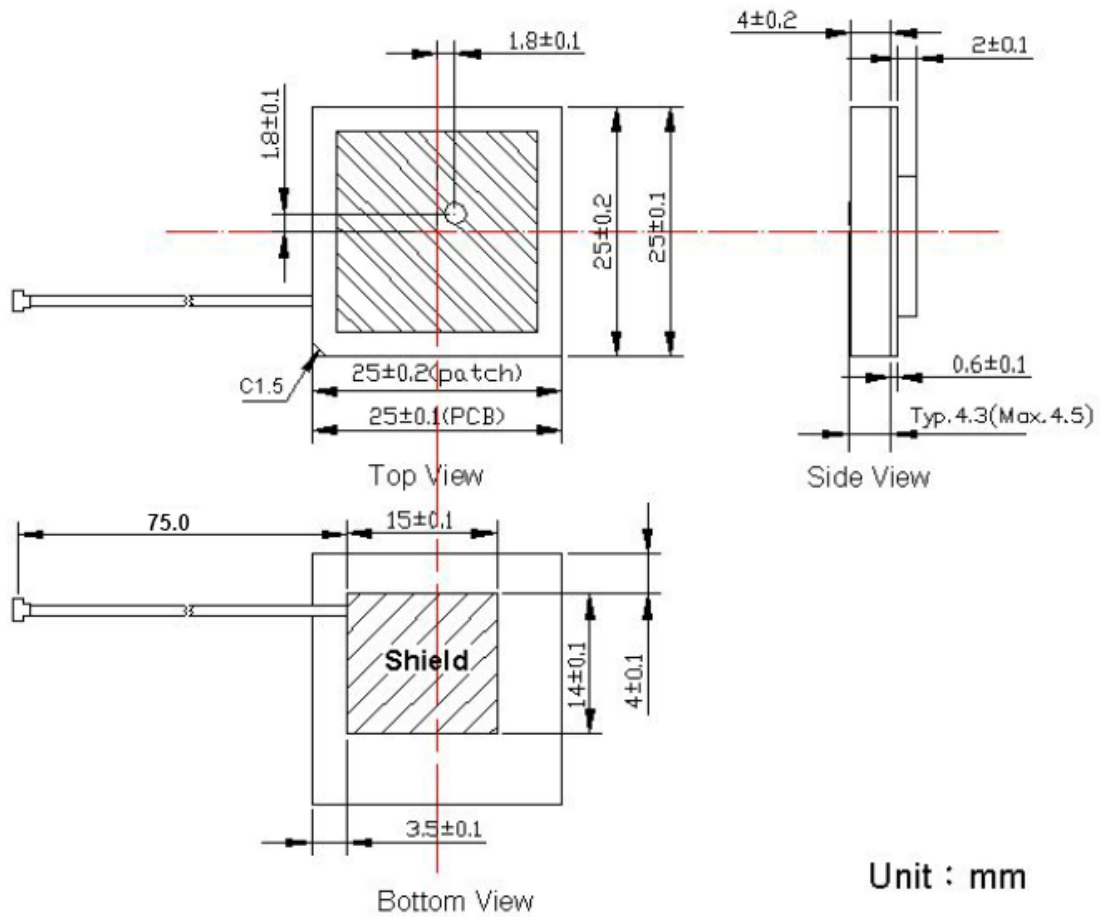
DESCRIPTION	VALUE
Dimension	25×25×4 mm ³
Centre Frequency	1575 ± 2MHz
Gain	5.5 dBic(Typ.)
VSWR	2.0 Max.
Polarization	Right Hand Circular Polarization
Impedance	50Ω
Axis Ratio	≦ 3dB
Beam Width	> 150 Degrees

LNA

DESCRIPTION	VALUE
Central Frequency	1575 ± 1.023MHz
Gain	16 dB (Typ.)
Output VSWR	1.5 Max.
Noise Figure	1.4 dB(Typ.)
Supply Voltage	3.0 ± 0.3V
Current Consumption	5 mA (Typ.)
Output Impedance	50Ω
Operating Temperature	-30 ~ +85 °C
Humidity	< 95%
Storage Temperature	-40 ~ +125 °C

NOTE

1. Based on 70×70 mm² 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.



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	15×14×2 mm

Fig. 1 Mechanical Data

REVISION HISTORY

REVISION	DATE	CHANGE NOTIFICATION	DESCRIPTION
Version 0	Mar 04, 2013	-	- New data sheet for Active antenna, PIN Feed size 25×25×7 mm