



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# 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 <sup>3</sup>
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

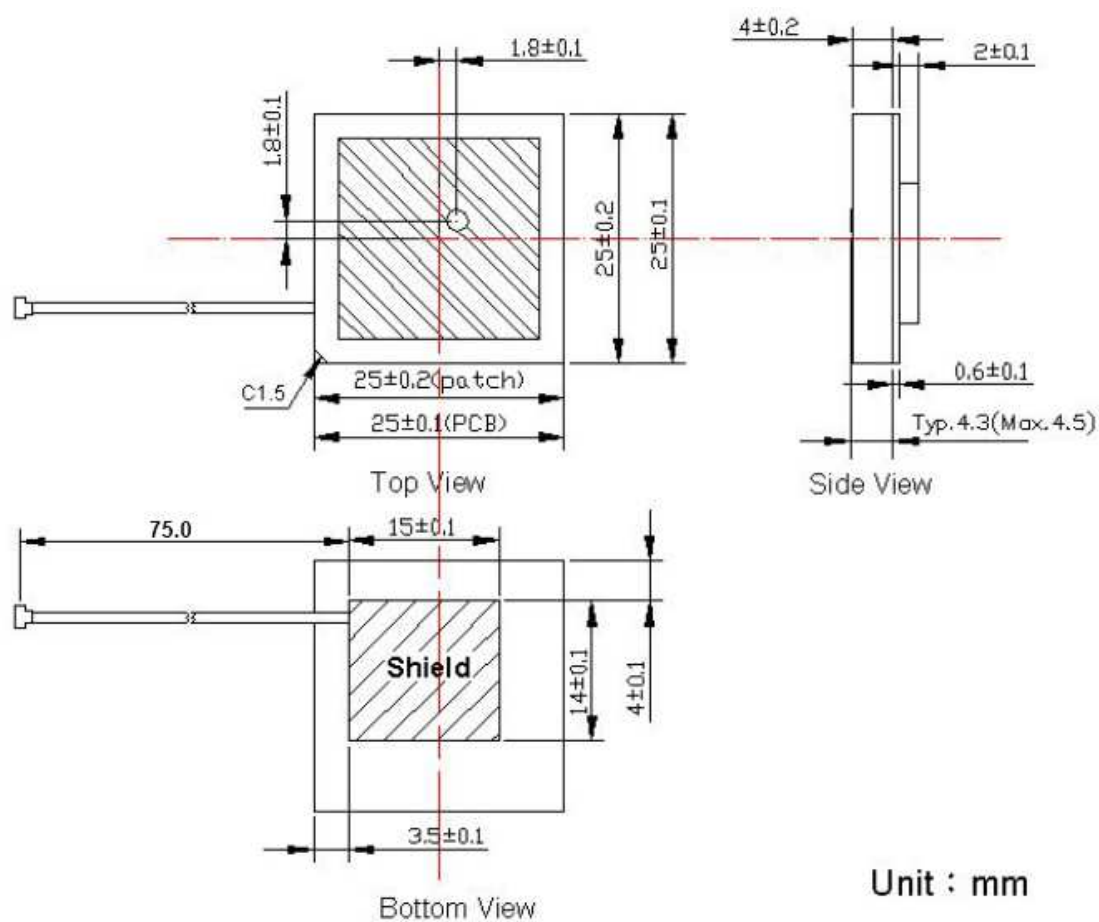
LNA

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 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.





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. I** 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