

DATA SHEET

WIRELESS COMPONENTS
Ceramic Patch Antenna
ANT2525B00BT1516A

GPS and Glonass
SMD 25x25x4 mm



FEATURES

- Support GPS & GLONASS system
- High radiation efficiency
- Reflow process compatible
- RoHS compliant

APPLICATIONS

- Navigation device
- Telematics box
- Fleet management

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 B 00B T I516A
(1) (2) (3) (4) (5) (6)

(1) PRODUCT

ANT = Antenna

(2) SIZE

2525 = 25 × 25 mm

(3) ANTENNA TYPE

B=Bulk antenna

(4) SERIAL NO.

00B

(5) PACKING STYLE

T = Tray

(6) WORKING FREQUENCY

I516 = 1.575/1.602 GHz

PHYCOMP CTC

CAN43134250BI56IB

I2NC

43134250BI56

SPECIFICATION

Table I

DESCRIPTION	VALUE
Operating Frequency	1575~1606 MHz
Bandwidth	GPS: 20 MHz(Typ.) Glonass: 20 MHz(Typ.)
Gain	GPS: 3.5 dBic(Typ.) Glonass: 4.1 dBic(Typ.)
VSWR	2.0 Max.
Polarization	RHCP
Axis Ratio	≤ 10 dB (Typ.)
Impedance	50 Ω
Operating Temperature	-40~105 °C

NOTE

1. Based on 70×70mm² square ground plane.
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.

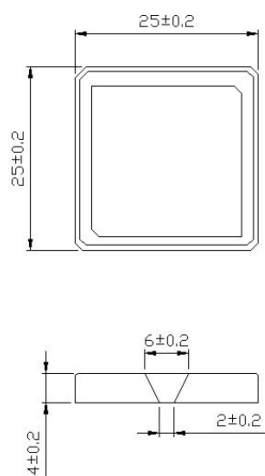


Fig. 1 Mechanical data

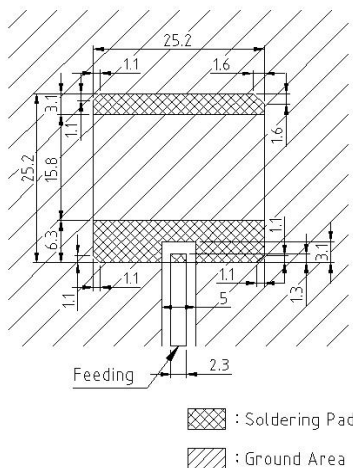
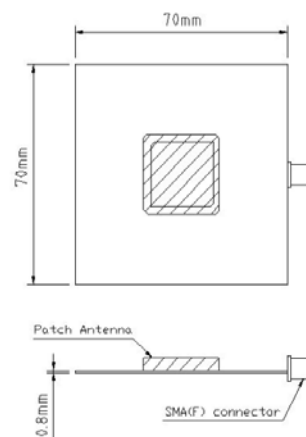
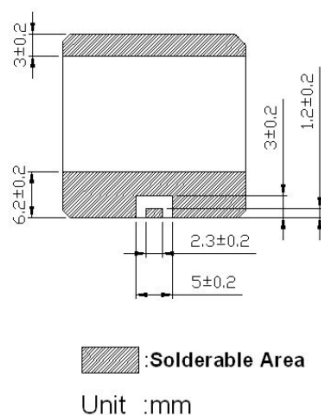


Fig. 2 Footprint

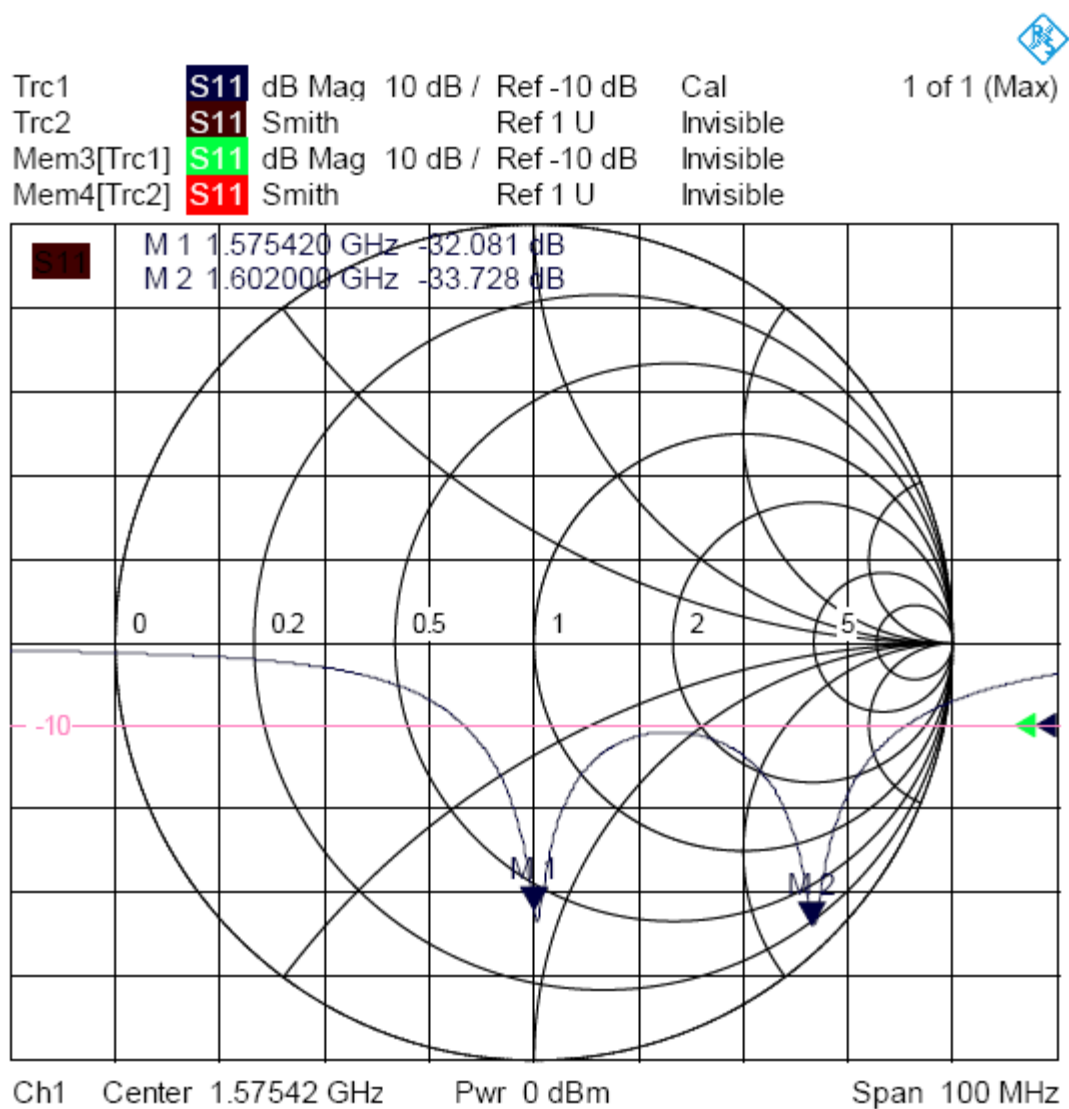


Fig. 2 Return loss

3D radiation pattern

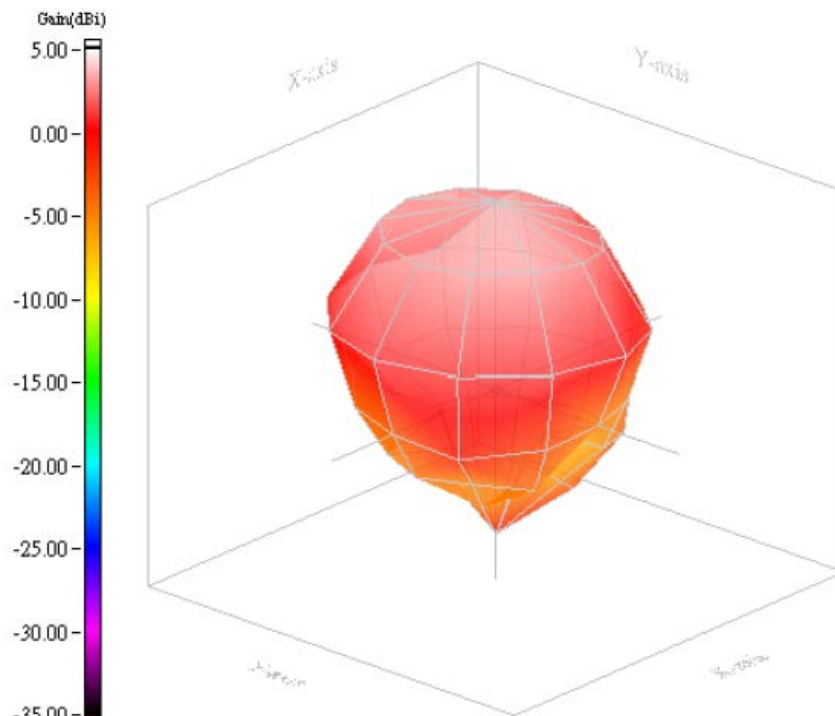


Fig. 3

Radiation Pattern (Frequency = 1575MHz)

3D radiation pattern

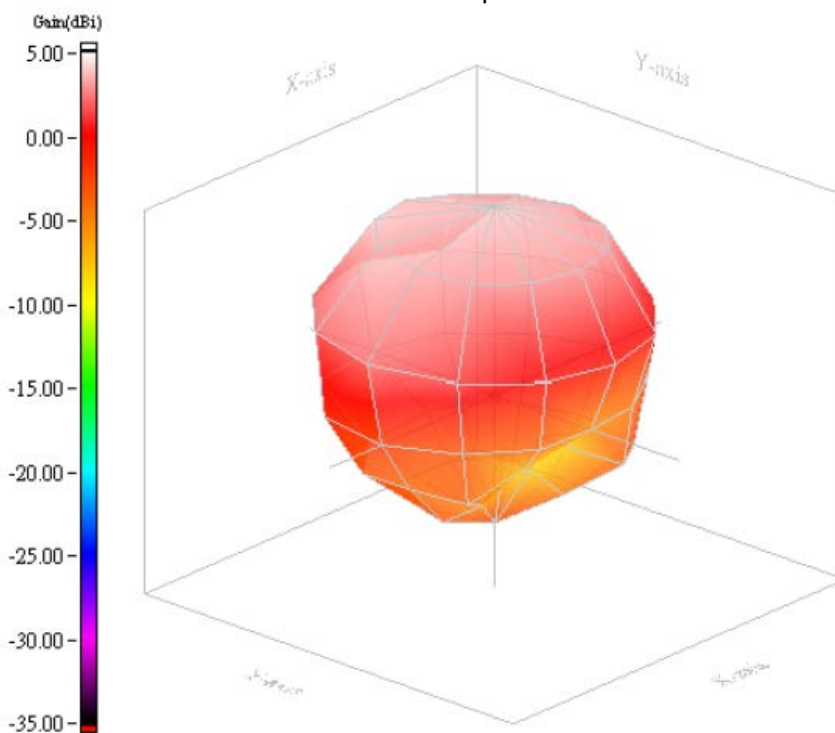


Fig. 4

Radiation Pattern (Frequency = 1602MHz)

REVISION HISTORY

REVISION	DATE	CHANGE NOTIFICATION	DESCRIPTION
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Version 0	Dec 24, 2013	-	- New data sheet for Patch antenna, SMD Feed size 25*25*4 mm
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