

## 阅读申明

- 1.本站收集的数据手册和产品资料都来自互联网，版权归原作者所有。如读者和版权方有任何异议请及时告之，我们将妥善解决。
- 2.本站提供的中文数据手册是英文数据手册的中文翻译，其目的是协助用户阅读，该译文无法自动跟随原稿更新，同时也可能存在翻译上的不当。建议读者以英文原稿为参考以便获得更精准的信息。
- 3.本站提供的产品资料，来自厂商的技术支持或者使用者的心得体会等，其内容可能存在描述上的差异，建议读者做出适当判断。
- 4.如需与我们联系，请发邮件到marketing@iczoom.com，主题请标有“数据手册”字样。

## Read Statement

1. The datasheets and other product information on the site are all from network reference or other public materials, and the copyright belongs to the original author and original published source. If readers and copyright owners have any objections, please contact us and we will deal with it in a timely manner.
2. The Chinese datasheets provided on the website is a Chinese translation of the English datasheets. Its purpose is for reader's learning exchange only and do not involve commercial purposes. The translation cannot be automatically updated with the original manuscript, and there may also be improper translations. Readers are advised to use the English manuscript as a reference for more accurate information.
3. All product information provided on the website refer to solutions from manufacturers' technical support or users the contents may have differences in description, and readers are advised to take the original article as the standard.
4. If you have any questions, please contact us at marketing@iczoom.com and mark the subject with "Datasheets" .

# DATA SHEET

## WIRELESS COMPONENTS

Ceramic Patch Antenna  
ANT2525B00FT1575S

GPS

PIN 25x25x4 mm



FEATURES

- High radiation efficiency
- Pin-solder process
- 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 00F T 1575S**  
 (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.

00F

---

(5) PACKING STYLE

T = Tray

---

(6) WORKING FREQUENCY

1575= 1.575 GHz

---

PHYCOMP CTC

---

CAN43934250F1581B

---

I2NC

---

43934250F158

---

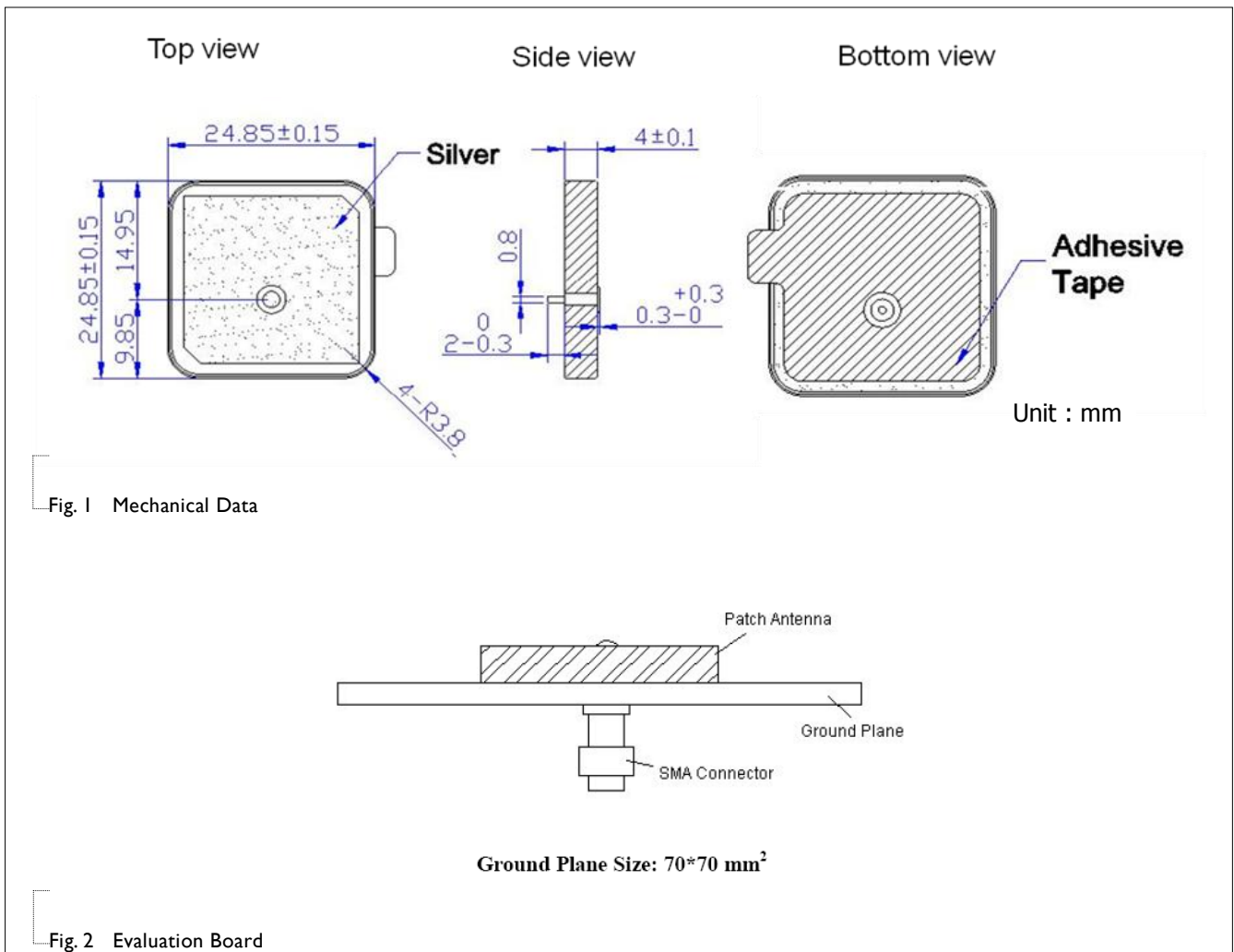
**SPECIFICATION**

Table 1

DESCRIPTION	VALUE
Centre Frequency	1580 ± 3MHz
Bandwidth	16 MHz (Typ.)
Gain	5.0 dBic (Typ.)
VSWR	1.5 Max.
Polarization	Right Hand Circular Polarization
Axis Ratio	≤ 3 dB
Beam Width	> 120 degrees
Impedance	50Ω
Operating Temperature	-40~105 °C

**NOTE**

1. Based on 70×70 mm<sup>2</sup> 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.



**ELECTRICAL PERFORMANCES**

Trc1	<b>S11</b>	dB Mag	10 dB / Ref-10 dB	Cal	1 of 1 (Max)
Trc2	<b>S11</b>	Smith	Ref 1 U	Cal	
Mem3[Trc1]	<b>S11</b>	dB Mag	10 dB / Ref-10 dB	Invisible	
Mem4[Trc2]	<b>S11</b>	Smith	Ref 1 U	Invisible	

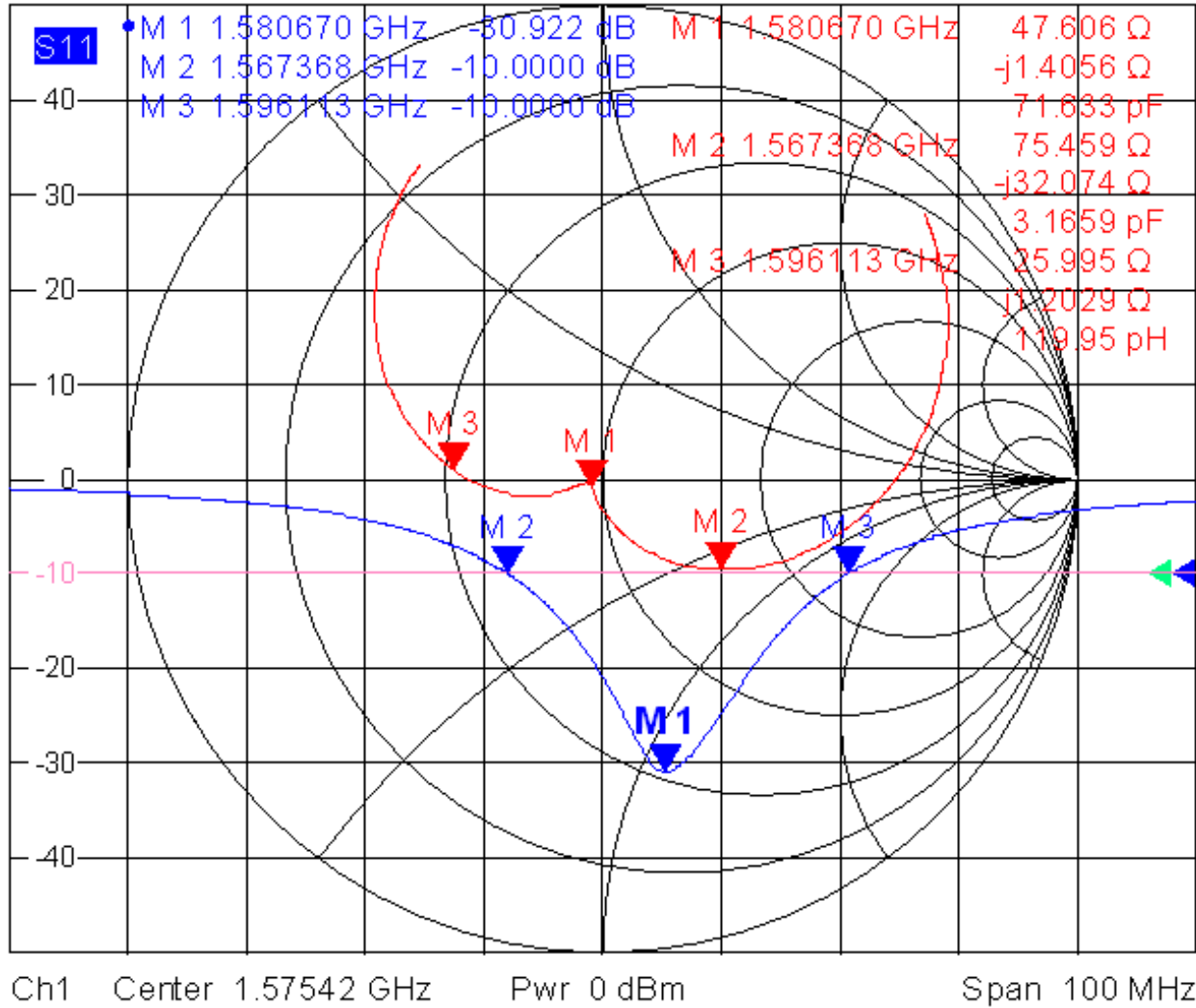
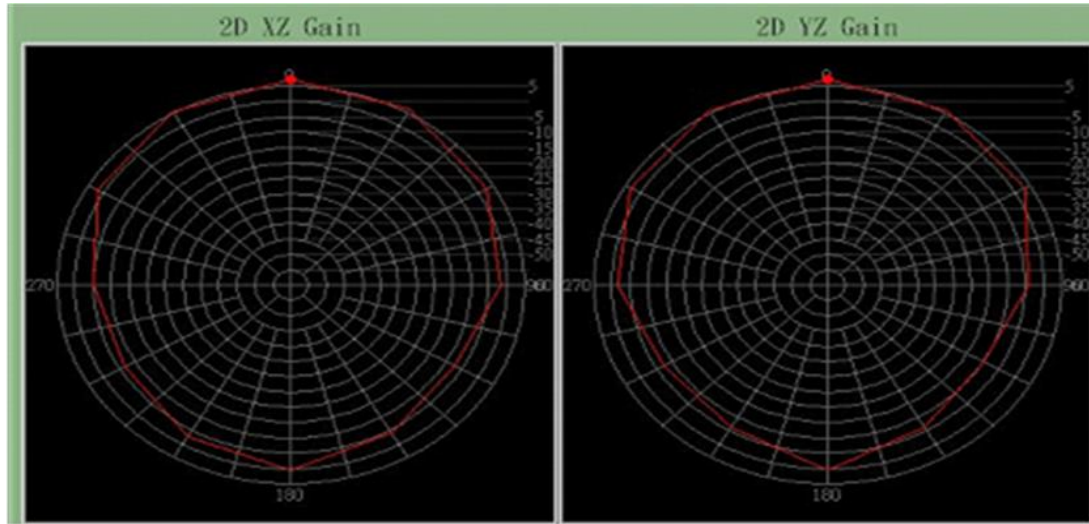
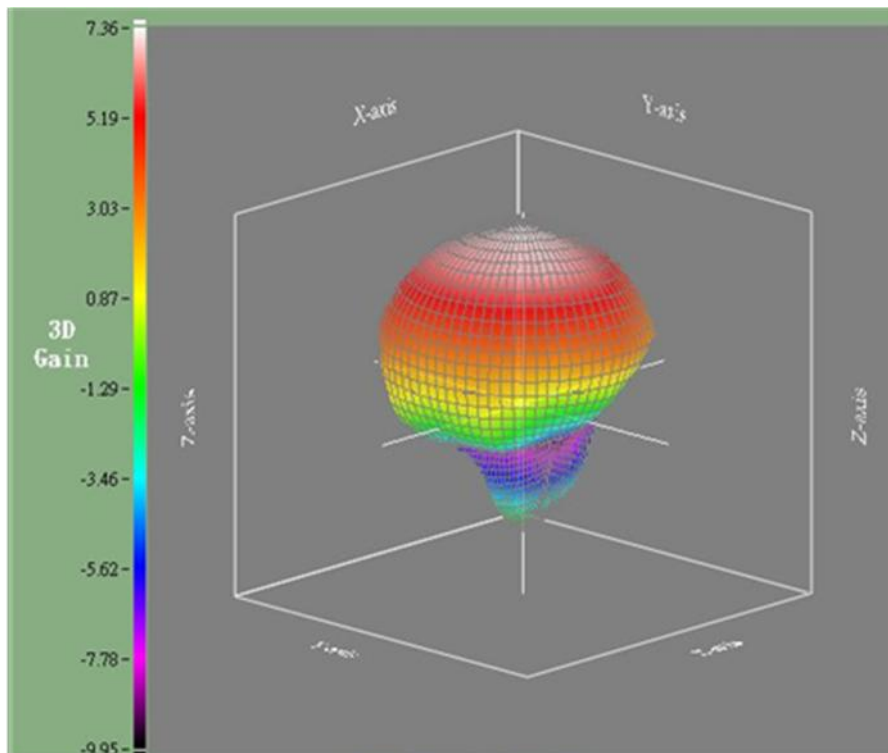


Fig. 3 Return loss



2D x-z plane pattern

2D y-z plane pattern



3D radiation pattern

Fig. 4 Radiation Pattern (Frequency = 1580MHz)

REVISION HISTORY

REVISION	DATE	CHANGE NOTIFICATION	DESCRIPTION
----------	------	---------------------	-------------

Version 0	Dec. 30, 2014	-	- New data sheet for Patch antenna, PIN Feed size 25 x 25 x 4 mm
-----------	---------------	---	--