

DATA SHEET

WIRELESS COMPONENTS Ceramic Patch Antenna ANT1515B00FT1575A GPS PIN 15 × 15 × 4 mm



YAGEO Phicomp

Product Specification –February 8, 2013 V.0

WIRELESS COMPONENTS

Ceramic Patch Antenna

2

<u>FEATURES</u>

- 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	1515	В	00F	т	1575A
(I)	(2)	(3)	(4)	(5)	(6)

(I) PRODUCT

ANT = Antenna

(2) SIZE

|5|5 = |5 ×|5 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	
CAN43134230F1581B	
I2NC	
43134230F158	

WIRELESS COMPONENTS

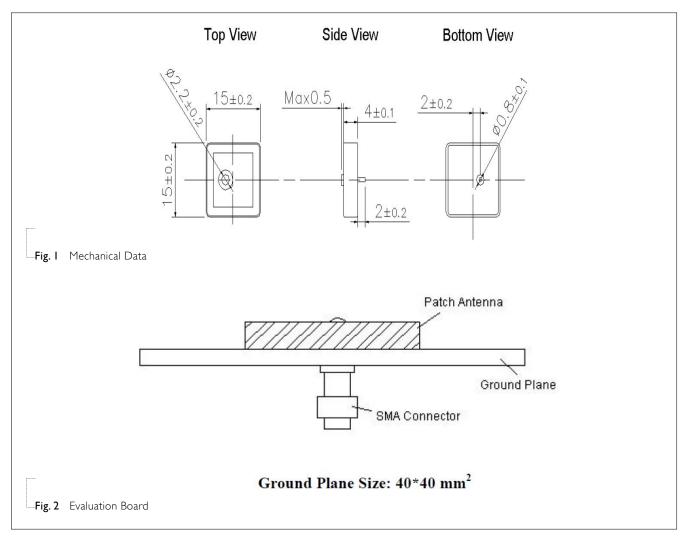
Table I	
DESCRIPTION	VALUE
Centre Frequency	1580 ± 2MHz
Bandwidth	8 MHz (Typ.)
Gain	I.5 dВіс (Тур.)
VSWR	2.0 Max.
Polarization	Right Hand Circular Polarization
Axis Ratio	≦ 3 dB
Beam Width	> 120 degrees
Impedance	50 Ω
Operating Temperature	-40~105 °C

ΝΟΤΕ

I. Based on 40×40 mm² square ground plane.

2. Centre frequency will be offset to working frequency while changes of customer's housing and ground plane.

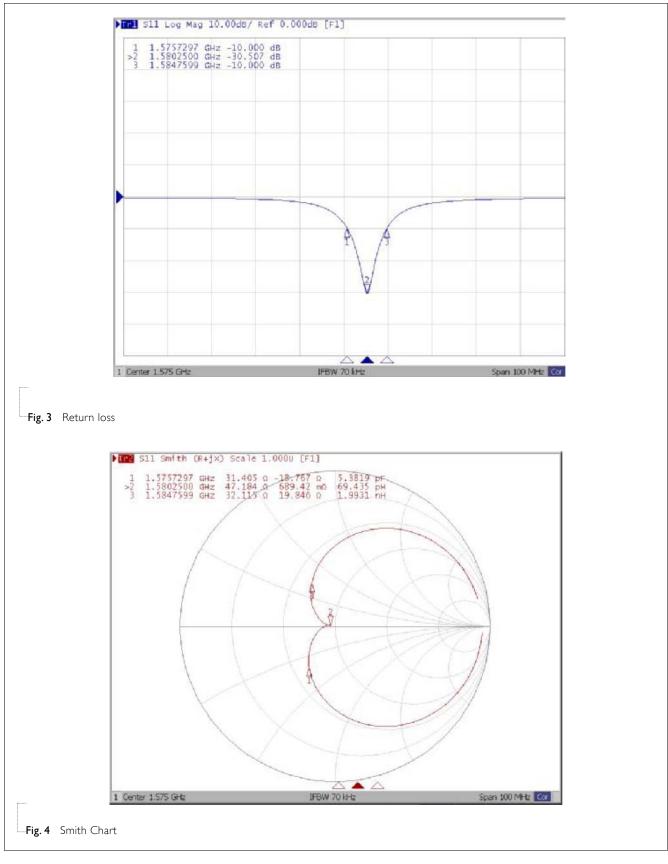
3. Please contact local sales if you need customized design to gain optimum antenna performance.



WIRELESS COMPONENTS Ceramic Patch Antenna

4

ELECTRICAL PERFORMANCES





AXIAI Katio 6

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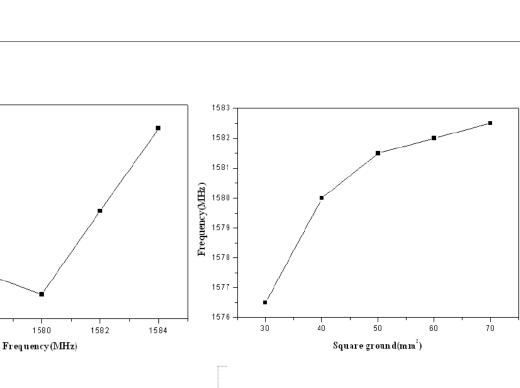
1576

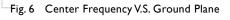
1578

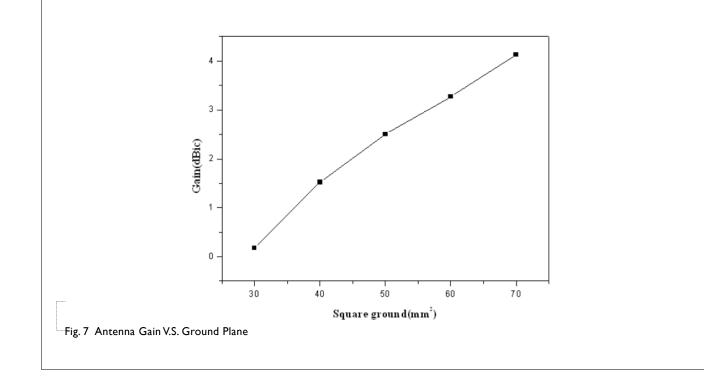
Fig. 5 Axial Ratio measurement

WIRELESS COMPONENTS

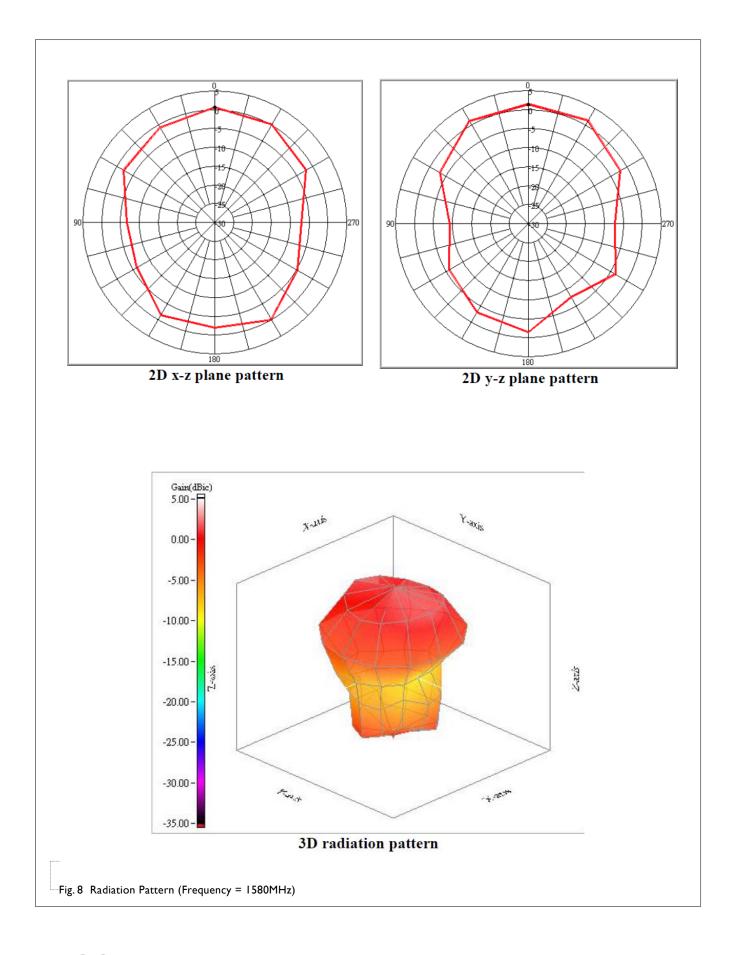
Ceramic Patch Antenna







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REVISION HISTORY

REVISION	DATE	CHANGE NOTIFICATION	DESCRIPTION
Version 0	Feb 08, 2013	-	- New data sheet for Patch antenna, PIN Feed size 15×15×4 mm

