

# DATA SHEET

WIRELESS COMPONENTS Ceramic Patch Antenna ANT1818B00AT1575A GPS SMD 18 x 18 x 2 mm

Product Specification – February 5, 2013 V.0



YAGEO Phícomp

WIRELESS COMPONENTS

Ceramic Patch Antenna

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## FEATURES

- Compact size
- High radiation efficiency
- Tape & reel automatic mounting
- 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	1818	В	<b>00A</b>	т	1575A
(1)	(2)	(3)	(4)	(5)	(6)

#### (I) PRODUCT

ANT = Antenna

#### (2) SIZE

1818 = 18 × 18 mm

#### (3) ANTENNA TYPE

B = Bulk antenna

#### (4) SERIAL NO.

00A

#### (5) PACKING STYLE

T = Tray

#### (6) WORKING FREQUENCY

1575 = 1.575GHz

#### PHYCOMP CTC

CAN43134240A1581B

#### 12NC

43134240A158



WIRELESS COMPONENTS Ceramic Patch Antenna

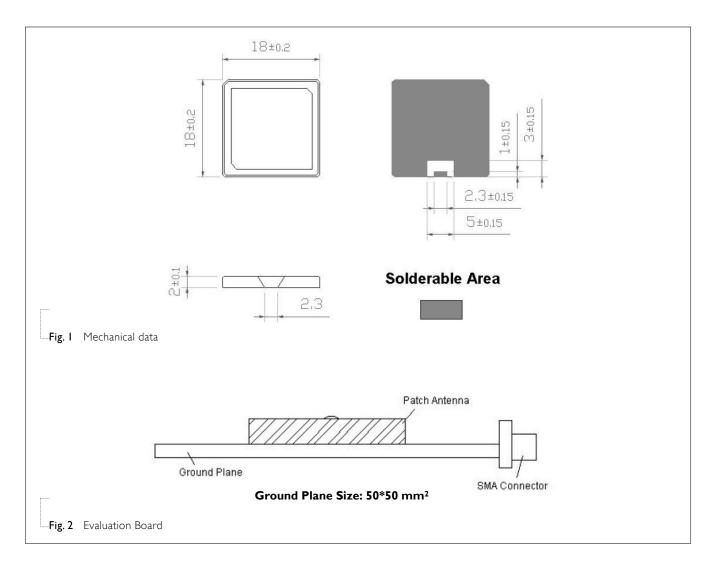
Table I	
DESCRIPTION	VALUE
Centre Frequency	1580 <b>±</b> 2 MHz
Bandwidth	6 MHz (Typ.)
Gain	2 dBic (Typ.)
VSWR	2.0 Max
Polarization	Right Hand Circular Polarization
Axis Ratio	≦ 3dB
Beam Width	> 120 degrees
Impedance	50 <b>Ω</b>
Operating Temperature	-40~105 degree

#### NOTE

I. Based on 50\*50mm<sup>2</sup> square ground plane.

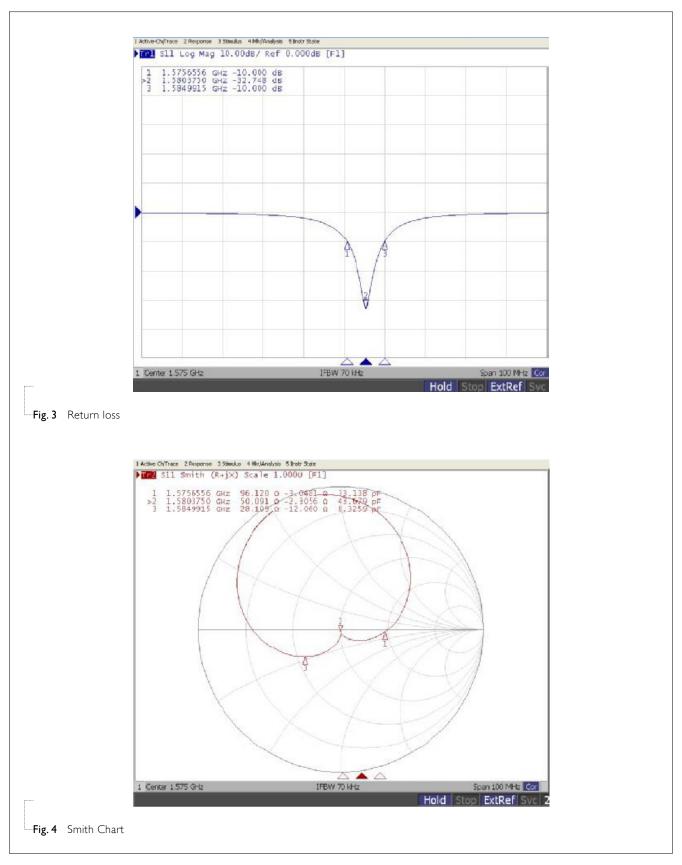
2. Centre frequency will be offset to working frequency while changes of customer's housing and ground plane.

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



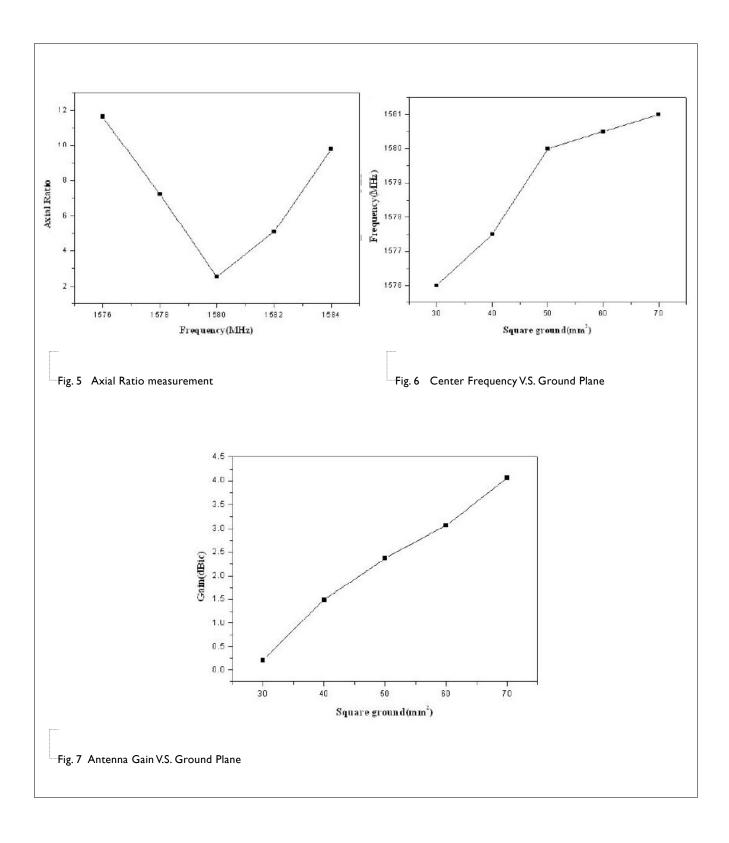
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ELECTRICAL PERFORMANCES

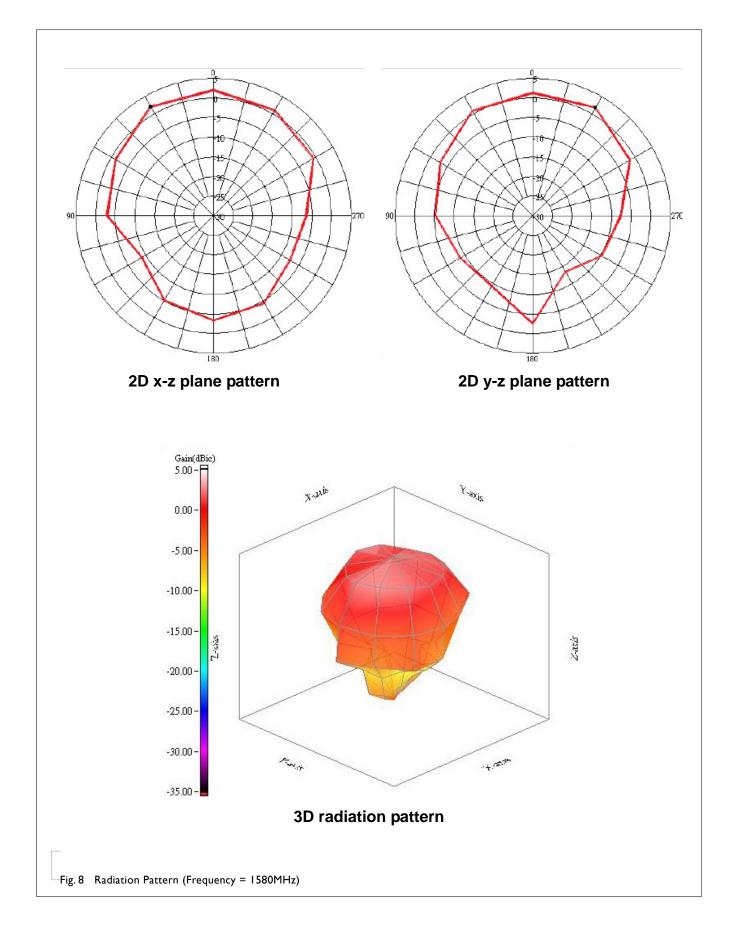


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## REVISION HISTORY

REVISION	DATE	CHANGE NOTIFICATION	DESCRIPTION
Version 0	Feb. 05, 2013	-	- New data sheet for Patch antenna, SMD Feed size 18 ×18 ×2 mm

