

DATA SHEET

WIRELESS COMPONENTS

Ceramic Patch Antenna ANT1818B00BT1516A

> GPS & GLONASS SMD 18 × 18 × 4 mm



YAGEO Phícomp



FEATURES

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

<u>APPLICATIONS</u>

- 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 B 00B T 1516A

(1) (2) (3) (4) (5) (6)

(I) PRODUCT

ANT = Antenna

(2) SIZE

 $1818 = 18 \times 18 \text{ mm}$

(3) ANTENNA TYPE

B = Bulk Antenna

(4) SERIAL NO.

00B

(5) PACKING STYLE

T = Tray

(6) WORKING FREQUENCY

1516 = 1.575/1.602 GHz

PHYCOMP CTC

CAN43134240B1561B

12NC

43134240B156





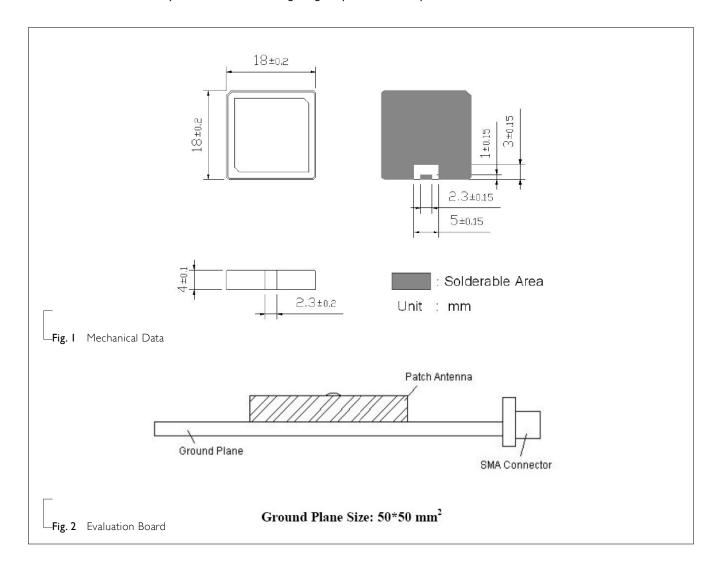
SPECIFICATION

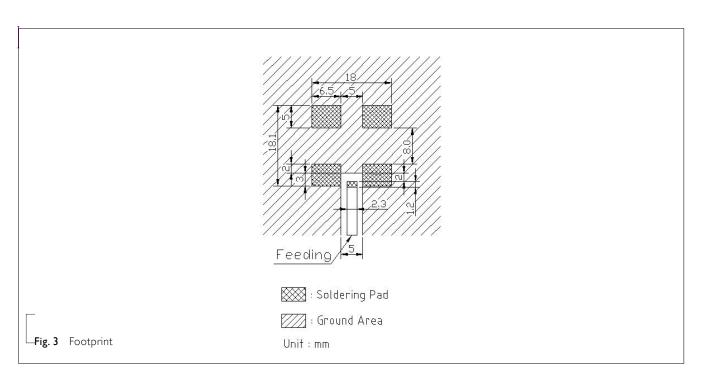
—Table I

DESCRIPTION	VALUE
Operating Frequency	I575~1606 MHz
Bandwidth	GPS: 7 MHz(Typ.) Glonass: 7 MHz(Typ.)
Gain	GPS: 1.89 dBi (Typ.) Glonass: 2.59 dBi (Typ.)
VSWR	2.0 Max.
Polarization	RHCP
Axis Ratio	≦ 12 dB
Impedance	50 Ω
Operating Temperature	-40~105 °C

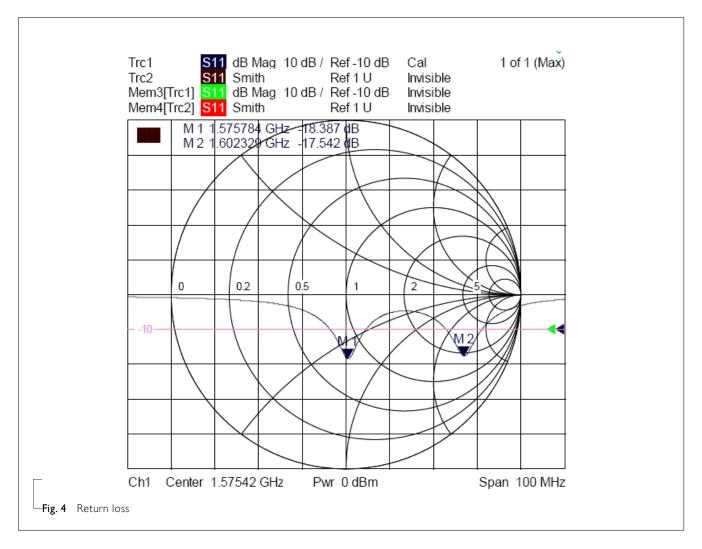
NOTE

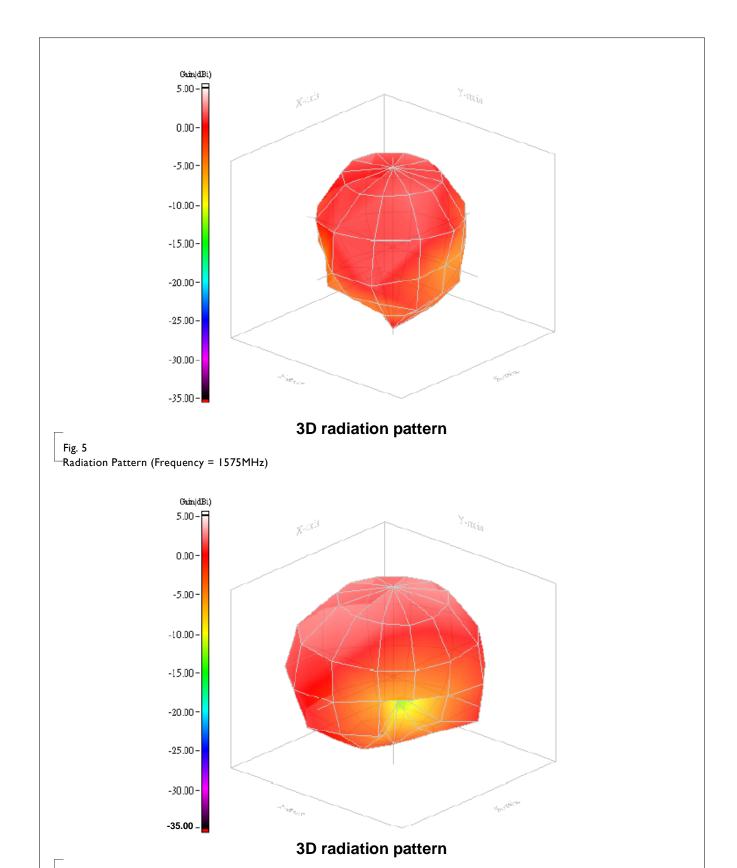
- I. Based on $50 \times 50 \text{mm}^2$ square ground plane.
- 2. Centre frequency will be offset to working frequency while changes of customer's housing and ground plane.
- 3. Please contact local sales if you need customized design to gain optimum antenna performance.





ELECTRICAL PERFORMANCES







Radiation Pattern (Frequency = 1602MHz)



Product specification

6

WIRELESS COMPONENTS Ceramic Patch Antenna

REVISION HISTORY

REVISION DATE CHANGE NOTIFICATION DESCRIPTION

Version 0 Dec 24, 2013

- New data sheet for Patch antenna, SMD Feed size $18 \times 18 \times 4$ mm

