

# **DATA SHEET**

# **WIRELESS COMPONENTS**

Ceramic Patch Antenna ANT1818B00BT1516S

> GPS & GLONASS SMD 18 × 18 × 4 mm



YAGEO Phícomp



Ceramic Patch Antenna

#### **FEATURES**

- Support GPS & GLONASS system
- High radiation efficiency

YAGEO Phicomp

- 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 1516S (I) (2) (3) (4) (5) (6)

(I) PRODUCT

ANT = Antenna

(2) SIZE

1818 = 18 ×18 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

CAN43934240B1561B

12NC

43934240B156



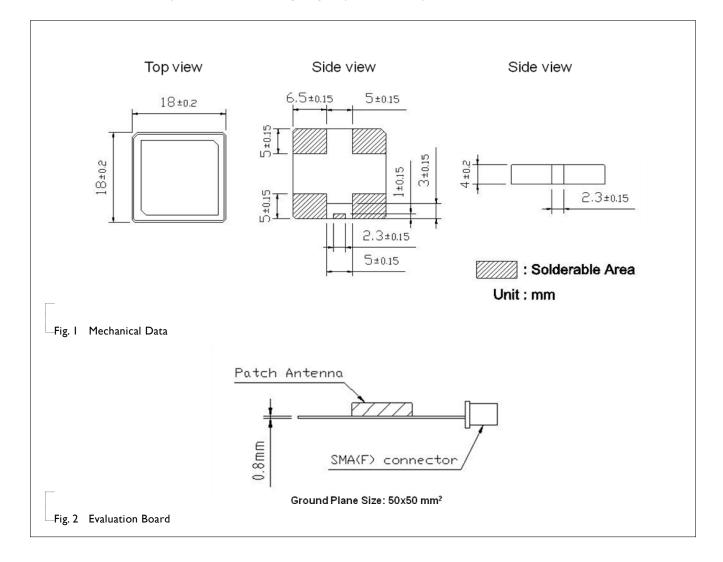
# **SPECIFICATION**

--Table I

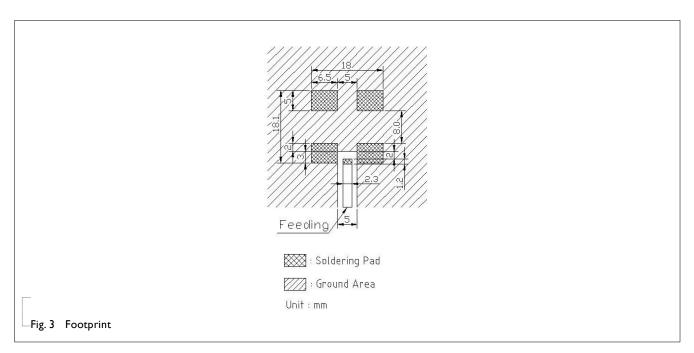
DESCRIPTION	VALUE
Operating Frequency	1575~1606 MHz
Bandwidth	GPS: 7 MHz(Typ.)
	Glonass: 7 MHz(Typ.)
Gain	GPS: 1.89 dBi (Typ.)
	Glonass: 2.59 dBi (Typ.)
VSWR	2.0 Max.
Polarization	RHCP
Axis Ratio	≦ 12 dB
Impedance	<b>50</b> Ω
Operating Temperature	-40~105 °C

#### NOTE

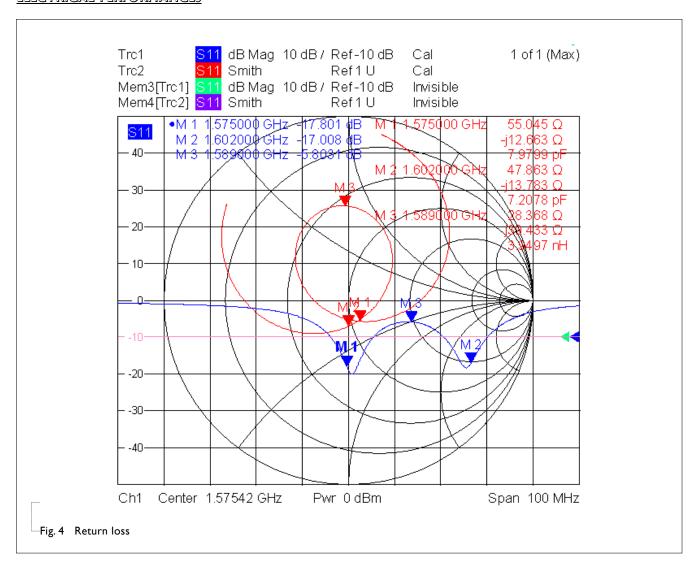
- I. Based on 50×50mm<sup>2</sup> square ground plane.
- 2. Centre frequency will be offset to working frequency while changes of customer's housing and ground plane.
- 3. Please contact local sales if you need customized design to gain optimum antenna performance.

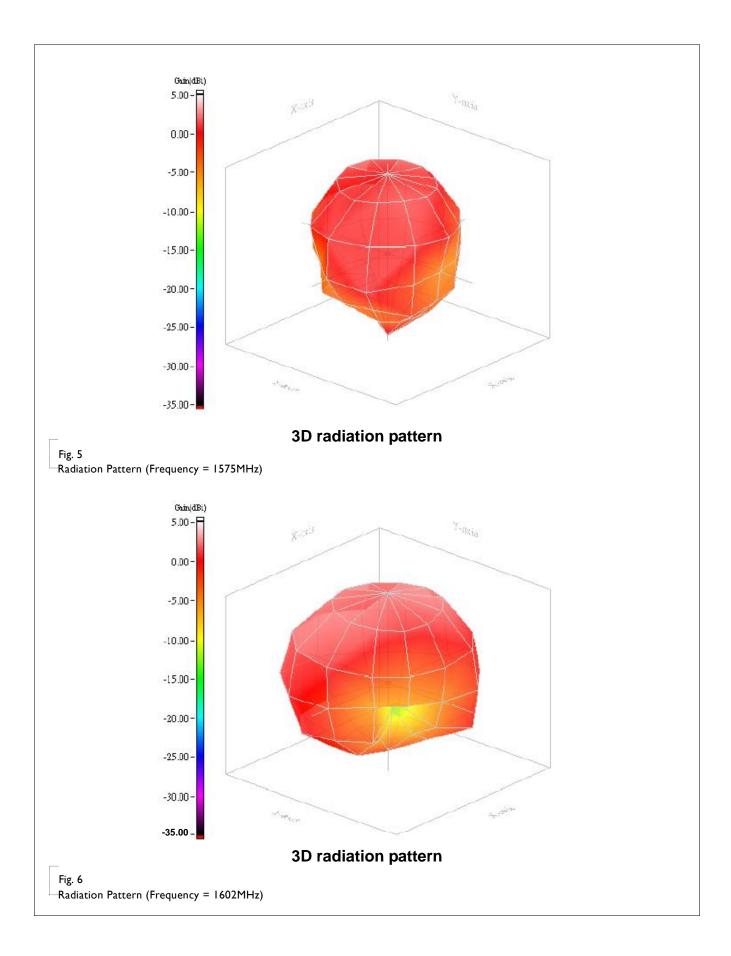


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# **ELECTRICAL PERFORMANCES**





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# REVISION HISTORY

REVISION DATE CHANGE NOTIFICATION DESCRIPTION

Version 0 Apr. 21, 2015 -

- New data sheet for Patch antenna, SMD Feed size 18×18×4 mm