

DATA SHEET

WIRELESS COMPONENTS Ceramic Patch Antenna ANT1818B00BT1516S

GPS & GLONASS SMD 18 × 18 × 4 mm



YAGEO Phicomp

Product Specification – April 28, 2015 V.0

WIRELESS COMPONENTS

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FEATURES

- Support GPS & GLONASS system
- High radiation efficiency
- 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	00B	т	1516S
(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.

00B

(5) PACKING STYLE

T = Tray

(6) WORKING FREQUENCY

1516 = 1.575/1.602 GHz

PHYCOMP CTC

CAN43934240B1561B

12NC

43934240B156



WIRELESS COMPONENTS

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SPECIFICATION

Table I

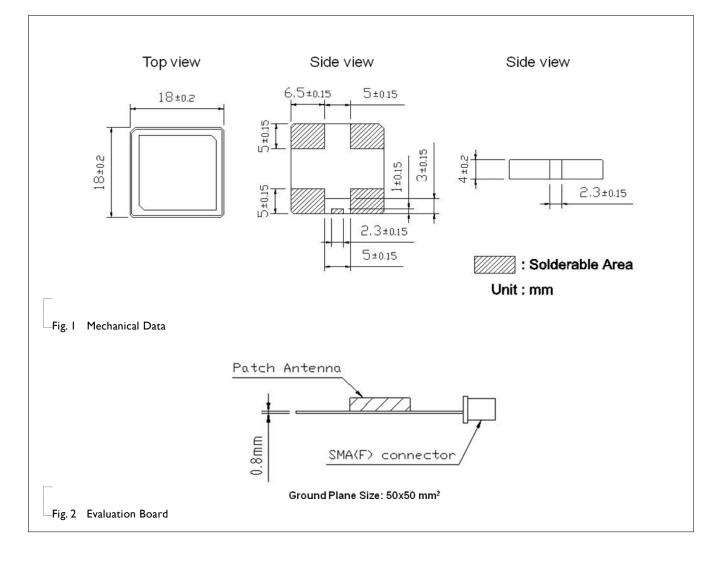
DESCRIPTION	VALUE	
Operating Frequency	1575~1606 MHz	
	GPS: 7 MHz(Typ.)	
Bandwidth	Glonass: 7 MHz(Typ.)	
-	GPS: 1.89 dBi (Typ.)	
Gain	Glonass: 2.59 dBi (Typ.)	
VSWR	2.0 Max.	
Polarization	RHCP	
Axis Ratio	≦ 12 dB	
Impedance	50 Ω	
Operating Temperature	-40~105 °C	

NOTE

I. Based on 50×50mm² square ground plane.

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

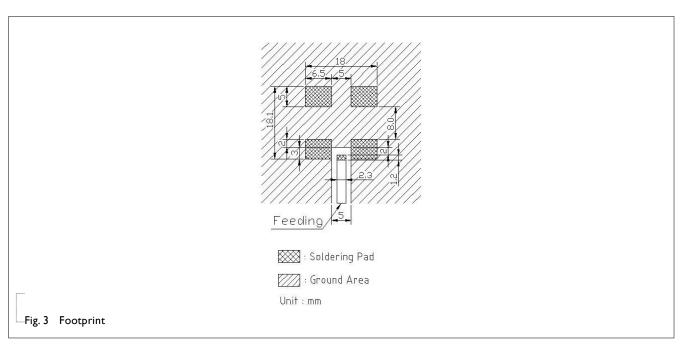
3. Please contact local sales if you need customized design to gain optimum antenna performance.



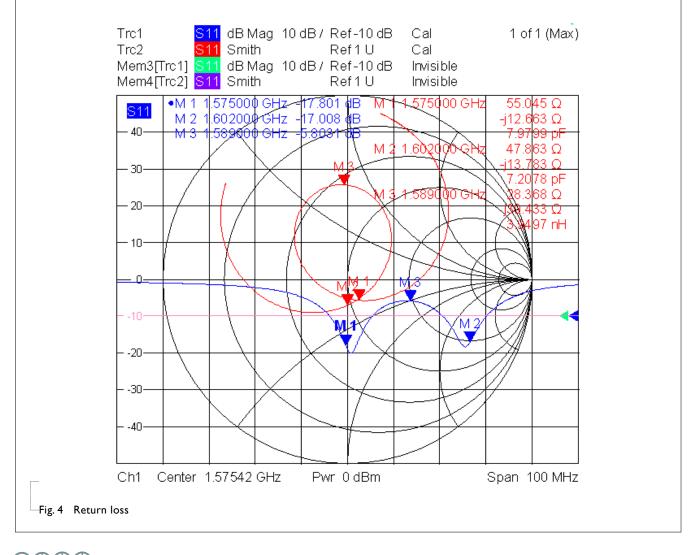


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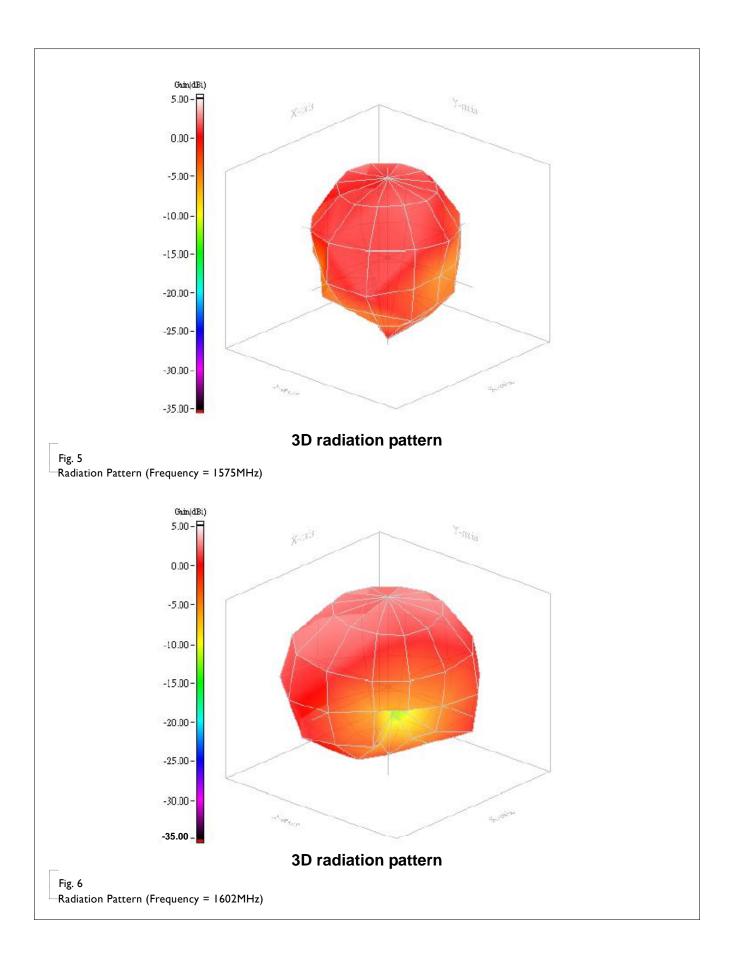


ELECTRICAL PERFORMANCES



WIRELESS COMPONENTS

Ceramic Patch Antenna





WIRELESS COMPONENTS Ceramic Patch Antenna

<u>REVISION HISTORY</u>

REVISION	DATE	CHANGE NOTIFICATION	DESCRIPTION
Version 0	Apr. 21, 2015	-	- New data sheet for Patch antenna, SMD Feed size 18×18×4 mm

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Yageo: ANT1818B00BT1516S