

# DATA SHEET

## WIRELESS COMPONENTS

Ceramic Chip Antenna

ANT3216LL15R1575A

GPS

3216 series



FEATURES

- Compact size
- High radiation efficiency
- Reflow process compatible
- RoHS compliant

APPLICATIONS

- Tablet
- 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 3216 L L15 R 1575A**  
 (1) (2) (3) (4) (5) (6)

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**(1) PRODUCT**

ANT = Antenna

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**(2) SIZE**

3216 = 3,2 × 1.6 mm

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**(3) ANTENNA TYPE**

L,F,A = Chip Antenna

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**(4) SERIAL NO.**

L15

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**(5) PACKING STYLE**

R = Tape and Reel

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**(6) WORKING FREQUENCY**

1575 = 1.575 GHz

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**PHYCOMP CTC**

CAN4311712151583K

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**I2NC**

431171215158

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**SPECIFICATION**

Table 1

DESCRIPTION	VALUE
Centre Frequency	1.575 GHz
Bandwidth	51 MHz (Typ.)
Return Loss	10 dB min
Polarization	Linear
Azimuth Beamwidth	Omni-directional
Peak Gain	2.01 dBi (Typ.)
Impedance	50 Ω
Operating Temperature	-40~105 degree
Maximum Power	1 W
Termination	Ag (Environmentally-Friendly Leadless)
Resistance to Soldering Heats	260°C , 10sec.

**NOTE**

I. The specification is defined on Yageo evaluation board

**DIMENSIONS**

Table 2 Machinical Dimension

	DIMENSION
L (mm)	3.20 ±0.10
W (mm)	1.60 ±0.10
T (mm)	1.20 ±0.10
A (mm)	0.80 ±0.15
B (mm)	1.60 ±0.20

**OUTLINES**

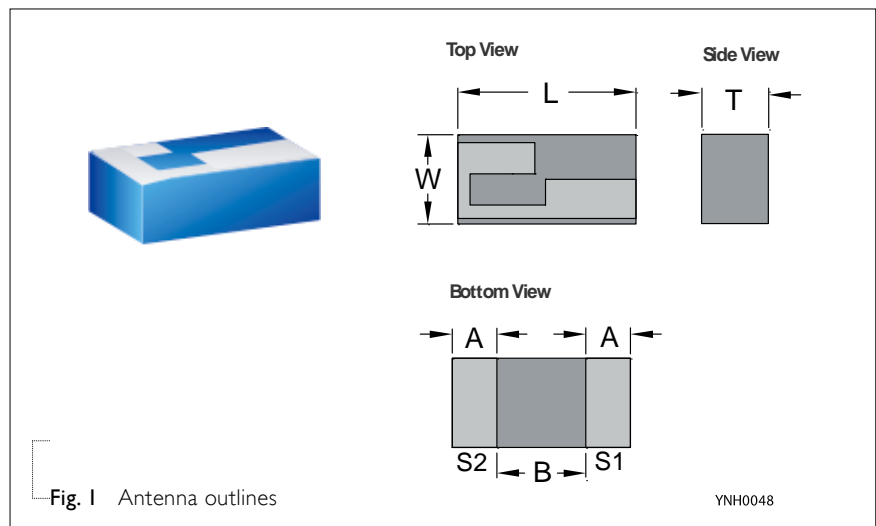


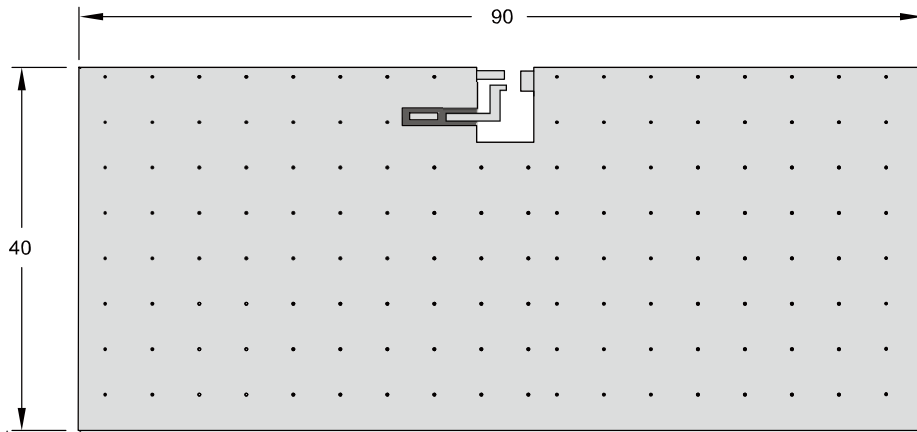
Fig. I Antenna outlines

YNH0048

Table 3 Termination configuration

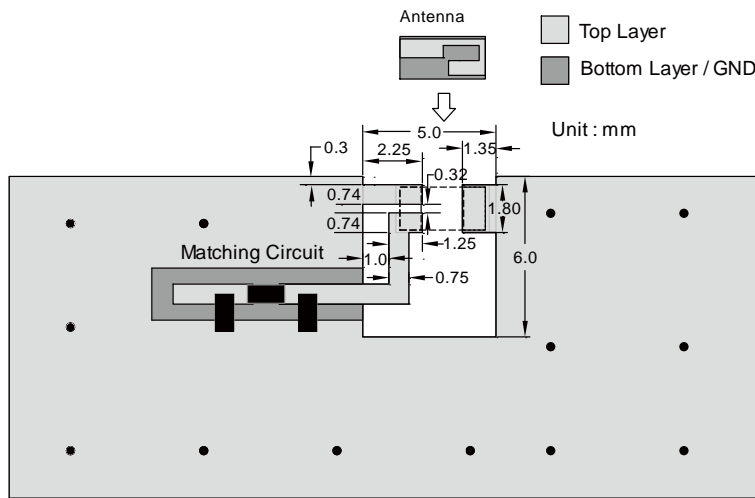
TERMINAL NAME	FUNCTION
S1	Feeding Point
S2	GND

**REFERENCE DESIGN OF EVALUATION BOARD**



**Fig. 3** Outlook and dimension of evaluation board

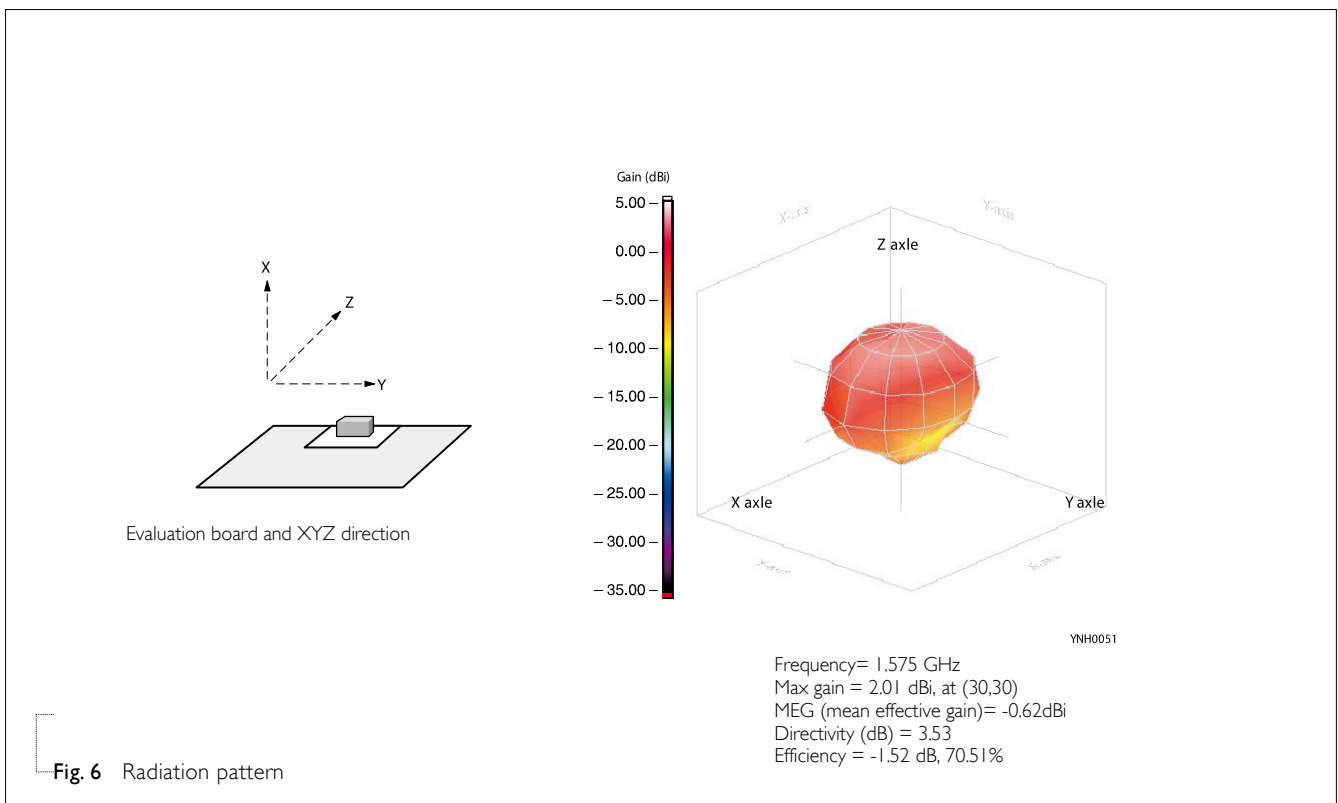
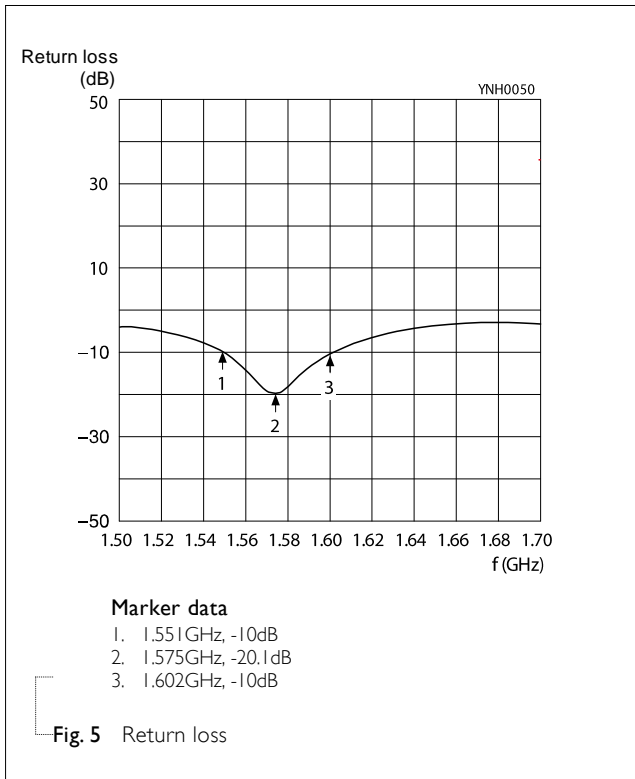
Unit : mm



**Fig. 4** Details of soldering pad

YNH0049\_1

**ELECTRICAL PERFORMANCES**



REVISION HISTORY

REVISION	DATE	CHANGE NOTIFICATION	DESCRIPTION
Version 0	Feb. 07, 2017	-	- New data sheet for SMD type antenna, 1.575GHz application, 3216 series PIFA mode

单击下面可查看定价，库存，交付和生命周期等信息

[>>Pulse\(普思\)](#)