

DATA SHEET

WIRELESS COMPONENTS
Ceramic Chip Antenna
ANT1204LL05R0915A
915 MHz
1204 Series



YAGEO Phícomp



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Wireless Components Ceramic Chip Antenna

FEATURES

- Compact size
- Omni-directional radiation
- Tape & reel automatic mounting
- Reflow process compatible
- RoHS compliant

<u>APPLICATIONS</u>

- Smart meter
- Industrial remote control
- ISM band equipment
- Zigbee device
- ISM band equipment

ORDERING INFORMATION

All part numbers are identified by the series, packing type, material, size, antenna type, working frequency and packing quantity.

PART NUMBER

ANT 1204 L L05 R 0915A

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

(I) PRODUCT

ANT = Antenna

(2) SIZE

1204= 12 × 4 mm

(3) ANTENNA TYPE

L,F,A = Chip Antenna

(4) SERIAL NO.

L05

(5) PACKING STYLE

R = Tape and Reel

(6) WORKING FREQUENCY

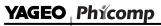
0915 = 0.915GHz

PHYCOMP CTC

CAN4311759050911K

12NC

431175905091



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<u>SPECIFICATION</u>

Table I

DESCRIPTION	VALUE
Centre Frequency	915 MHz
Bandwidth	20 MHz (Typ.)
VSWR	2.0 Max.
Polarization	Linear
Azimuth Beamwidth	Omni-directional
Peak Gain	3.32 dBi (Typ.)
Impedance	50 Ω
Operating Temperature	-40 ∼ 105 °C
Maximum Power	ΙW
Termination	Ni / Sn (Environmentally-Friendly Leadless)
Resistance to Soldering Heats	260 ℃ , 10sec.

NOTE

I. The specification is defined on Yageo evaluation board

DIMENSIONS

Table 2 Machinical Dimension

	DIMENSION
L (mm)	12.1 ±0.20
W (mm)	4.10 ±0.20
T (mm)	1.60 ±0.20
F (mm)	0.85 ±0.35

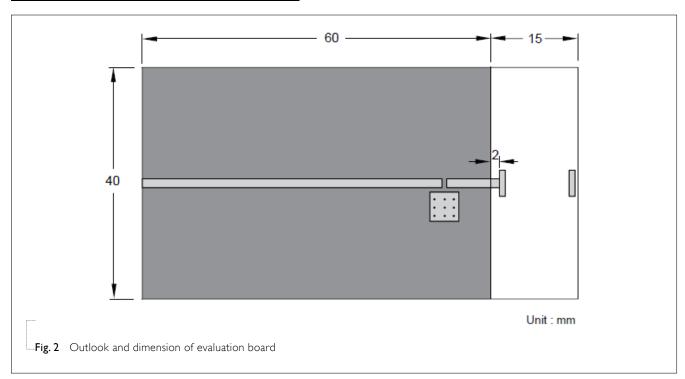
OUTLINES

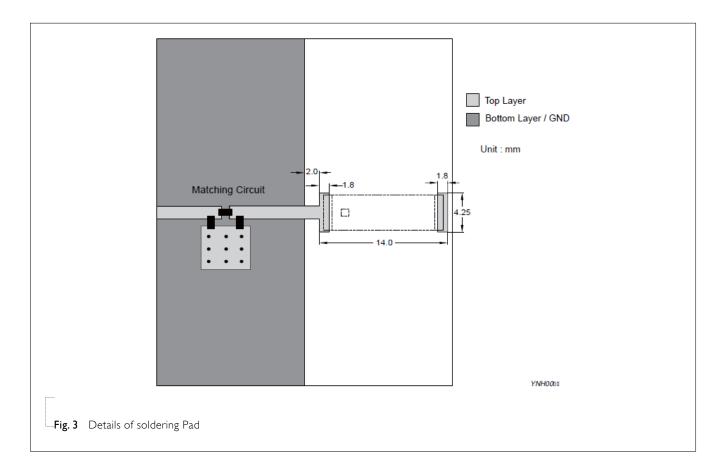
L Fig. I Antenna outlines

Table 3 Termination configuration

TERMINAL NAME	FUNCTION
W	Feeding Point
L	Soldering Point

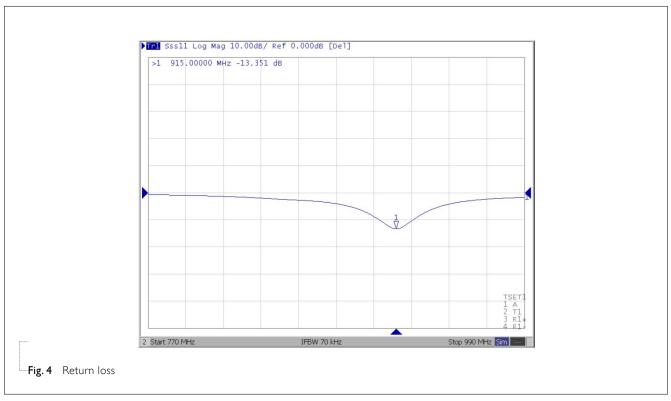
REFERENCE DESIGN OF EVALUATION BOARD

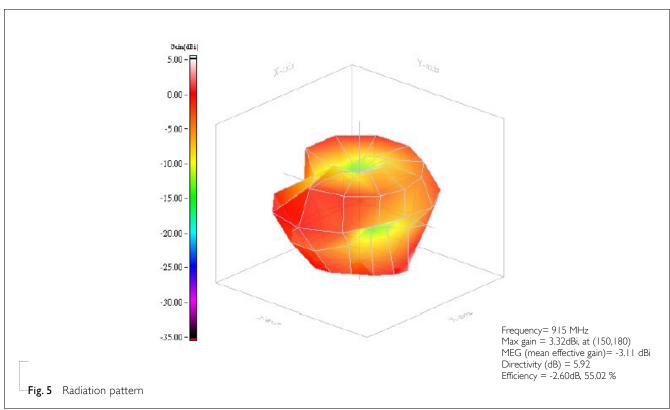




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ELECTRICAL PERFORMANCES







Product specification

Wireless Components Ceramic Chip Antenna

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REVISION HISTORY

REVISION DATE CHANGE NOTIFICATION DESCRIPTION

Version 0 May 29, 2013

New data sheet for SMD type antenna, 915 MHz application, 1204 series.