

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China









DATA SHEET

WIRELESS COMPONENTS

Ceramic Chip Antenna ANT3216LL11R2400A

2.4 – 2.5GHZ **3216 Series**







FEATURES

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

APPLICATIONS

- 2.4 GHz WiFi device
- Bluetooth gadget
- 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 3216 L LII R 2400A

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

(I) PRODUCT

ANT = Antenna

(2) SIZE

 $3216 = 3.2 \times 1.6 \text{ mm}$

(3) ANTENNA TYPE

L,F,A = Chip Antenna

(4) SERIAL NO.

LH

(5) PACKING TYPE

R = Tape and Reel

(6) WORKING FREQUENCY

2400 = 2.4GHz

PHYCOMP CTC

CAN4311712112453K

12NC

431171211245



<u>SPECIFICATION</u>

Table I

DESCRIPTION	VALUE
Centre Frequency	2.45 GHz
Bandwidth	230 MHz (Typ.)
Return Loss	6.5 dB Min
Polarization	Linear
Azimuth Beamwidth	Omni-directional
Peak Gain	3.68 dBi (Typ.)
Impedance	50 Ω
Operating Temperature	- 40 °C ~ 105 °C
Maximum Power	l W
Termination	Ag (Environmentally-Friendly Leadless)
Resistance to Soldering Heats	260 ℃ , 10sec.

NOTE

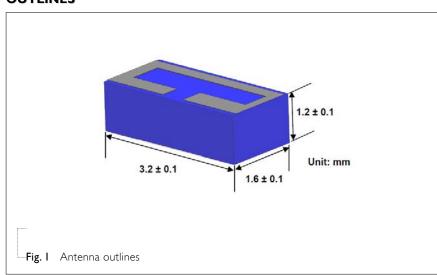
1. The specification is defined on Yageo evaluation board

DIMENSIONS

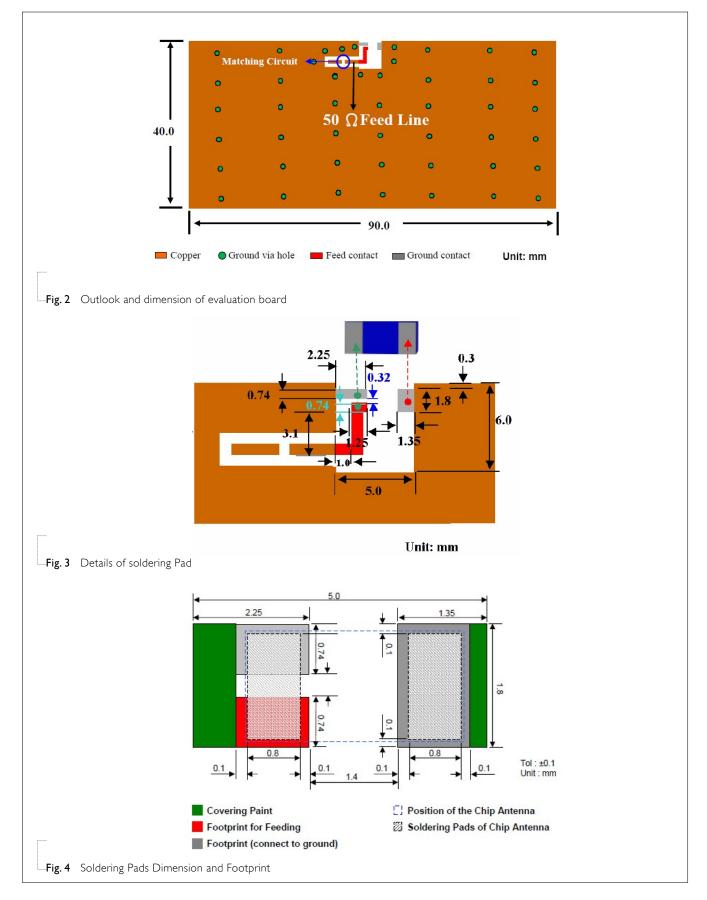
Table 2 Machinical Dimension

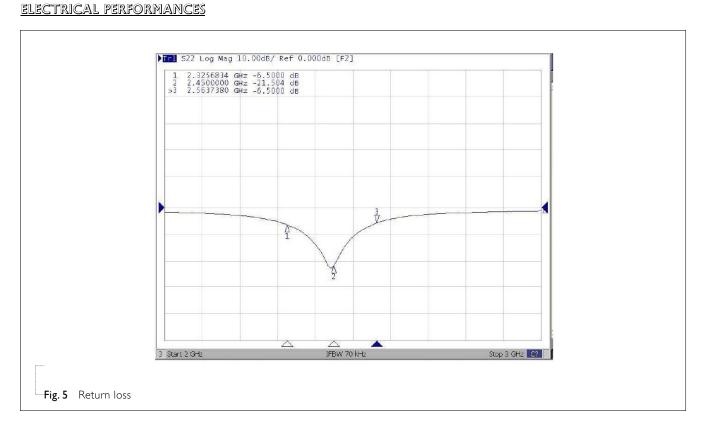
	DIMENSION
L (mm)	3.2 ±0.10
W (mm)	1.6 ±0.10
T (mm)	1.2 ±0.10

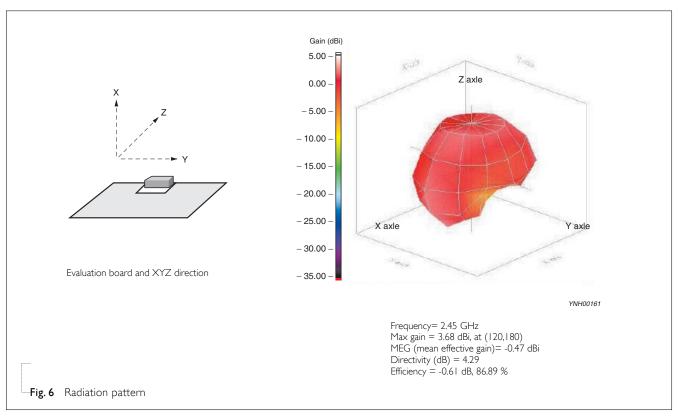
OUTLINES



REFERENCE DESIGN OF EVALUATION BOARD









Product specification

WIRELESS COMPONENTS | Ceramic Chip Antenna

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REVISION HISTORY

REVISION DATE CHANGE NOTIFICATION DESCRIPTION

Version 0 Mar. 27, 2013

New data sheet for Ceramic Chip Antenna, 2.4-2.5GHz application, 3216 series