

DATA SHEET

WIRELESS COMPONENTS

Ceramic Chip Antenna

ANT5320LL04R2455A

2.4 AND 5GHZ

5320 Series



FEATURES

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

APPLICATIONS

- 2.4&5GHz WiFi 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 5320 L L04 R 2455A
(1) (2) (3) (4) (5) (6)

(1) PRODUCT

ANT = Antenna

(2) SIZE

5320 = 5.3 × 2.0

(3) ANTENNA TYPE

L,F,A = Chip Antenna

(4) SERIAL NO.

L04

(5)PACKING STYLE

R = Tape and Reel

(6) WORKING FREQUENCY

2455 = 2.4/5GHz

PHYCOMP CTC

CAN431 I 753042522K

I2NC

431 I 75304252

SPECIFICATION

Table 1

DESCRIPTION	VALUE
Centre Frequency	2.45 G / 5.5 G Hz
Bandwidth	150M / 900M Hz (Typ.)
Return Loss	6.5 dB min
Polarization	Linear
Azimuth Beamwidth	Omni-directional
Peak Gain	2.09 / 4.32 dBi (Typ.)
Impedance	50 ohm
Operating Temperature	- 40~105 °C
Maximum Power	1W
Termination	Ni / Sn (Environmentally-Friendly Leadless)
Resistance to Soldering Heats	260°C , 10sec.

NOTE

I. The specification is defined on Yageo evaluation board

DIMENSIONS

Table 2 Machinal Dimension

	DIMENSION
L (mm)	5.30 ± 0.20
W (mm)	2.00 ± 0.20
T (mm)	1.40 ± 0.30
A (mm)	0.40 ± 0.20

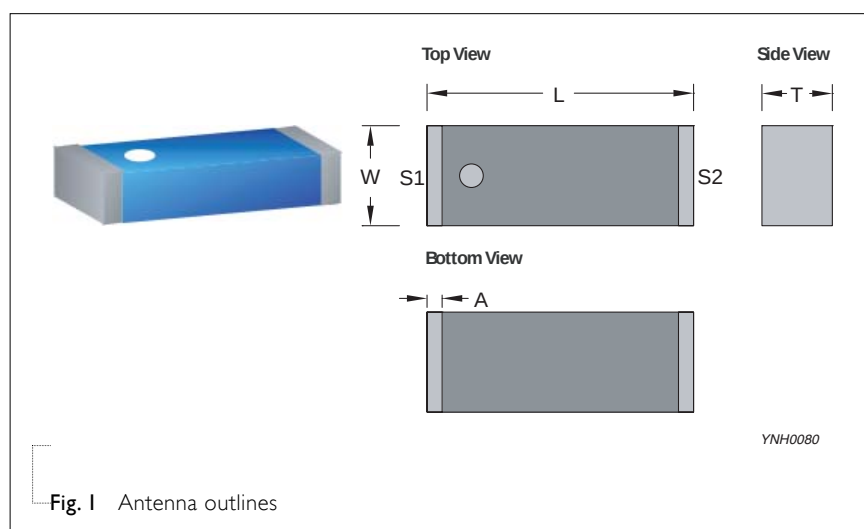
OUTLINES

Table 3 Termination configuration

TERMINAL NAME	FUNCTION
S1	Feeding Point
S2	Soldering Point

REFERENCE DESIGN OF EVALUATION BOARD

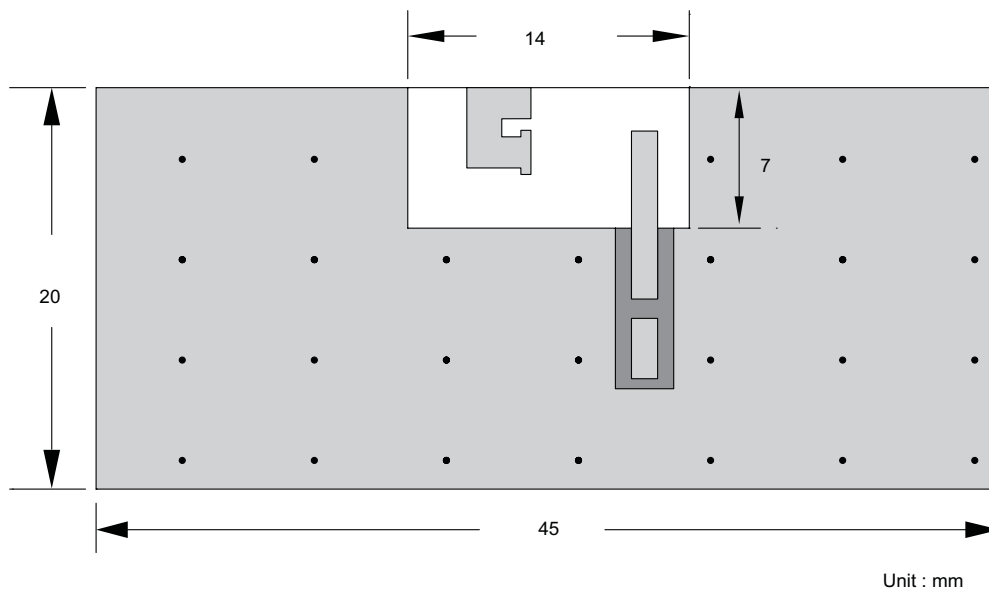


Fig. 3 Outlook and dimension of evaluation board

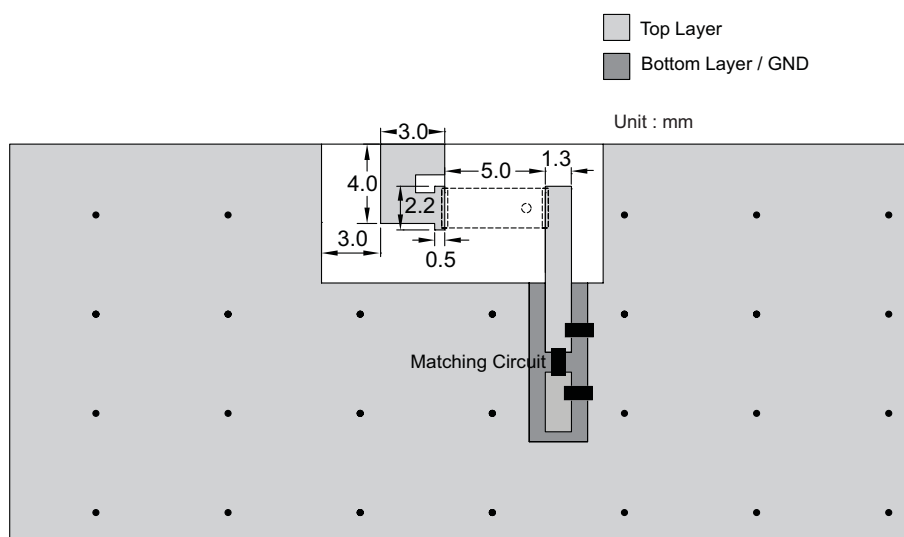
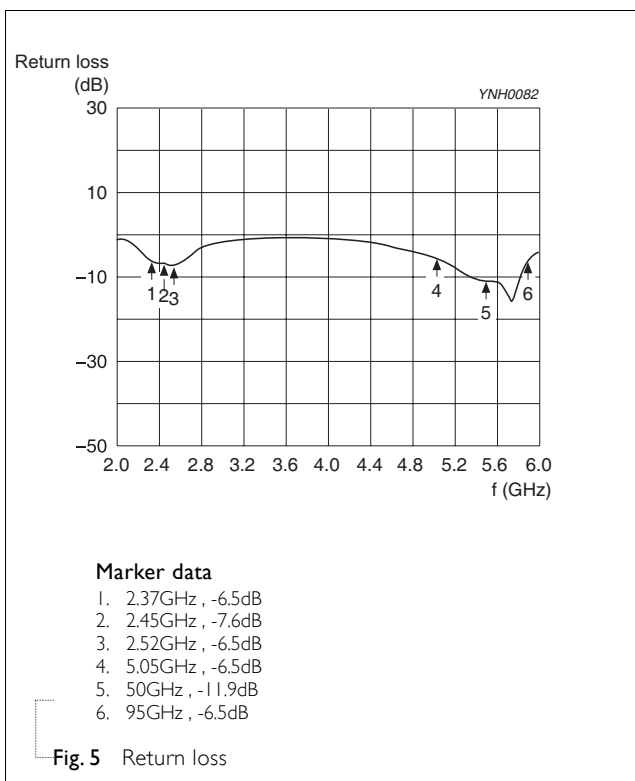
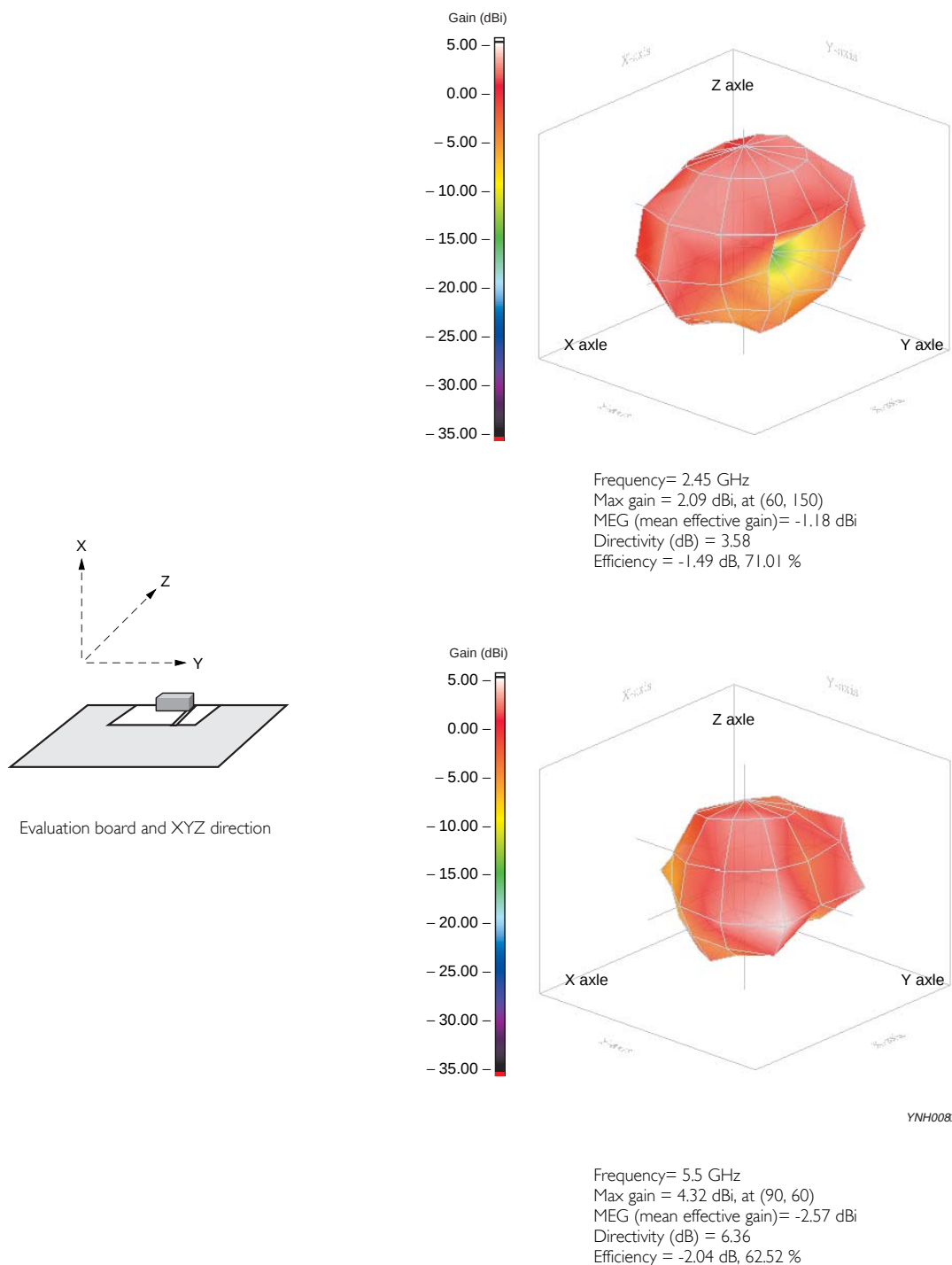


Fig. 4 Details of soldering Pad

YNH0081

ELECTRICAL PERFORMANCES




Fig. 6 Radiation pattern

REVISION HISTORY

REVISION	DATE	CHANGE NOTIFICATION	DESCRIPTION
Version 0	Jan. 24, 2013	-	- New datasheet for SMD type antenna, 2.4/5 GHz application, 5320 series