

DATA SHEET

WIRELESS COMPONENTS

Ceramic Chip Antenna

ANT1204LL20R0315A

315MHZ

I204 Series



FEATURES

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

APPLICATIONS

- Smart meter
- Industrial remote control
- 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 I204 L L20 R 0315A
(1) (2) (3) (4) (5) (6)

(1) PRODUCT

ANT = Antenna

(2) SIZE

I204=12×4 mm

(3) ANTENNA TYPE

L, F, A=Chip antenna

(4) SERIAL NO.

L20

(5) PACKING STYLE

R = Tape and Reel

(6) WORKING FREQUENCY

0315=0.315 GHz

PHYCOMP CTC

CAN4311759200311K

I2NC

431175920031

SPECIFICATION

Table 1

DESCRIPTION	VALUE
Centre Frequency	300~400 M Hz
Bandwidth	10 MHz (min)
Polarization	Linear
Azimuth Beamwidth	Omni-directional
Impedance	50 Ω
Operating Temperature	- 40~105 $^{\circ}\text{C}$
Maximum Power	1 W
Termination	Ni / Sn (Environmentally-Friendly Leadless)
Resistance to Soldering Heats	260 $^{\circ}\text{C}$, 10sec.

NOTE

I. The specification is defined on Yageo evaluation board

DIMENSIONS

Table 2 Machinal Dimension

	DIMENSION
L (mm)	12.0 $\pm$ 0.50
W (mm)	4.00 $\pm$ 0.50
T (mm)	1.50 $\pm$ 0.30

OUTLINES

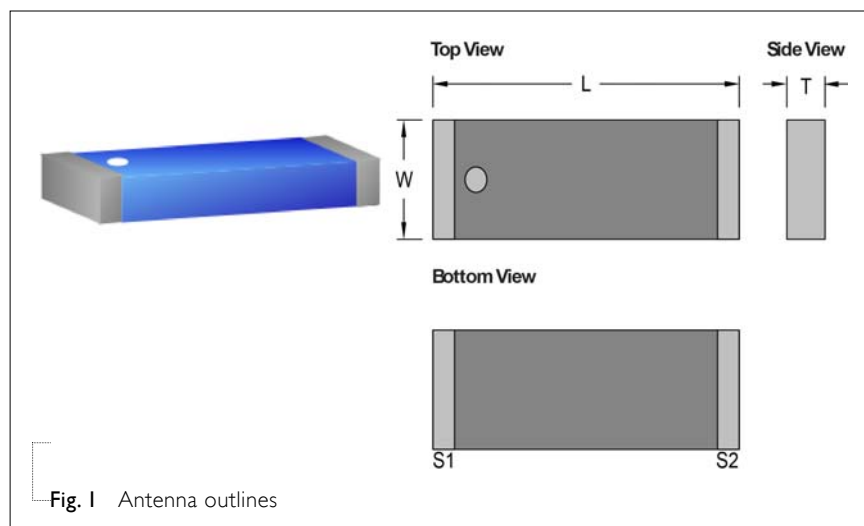
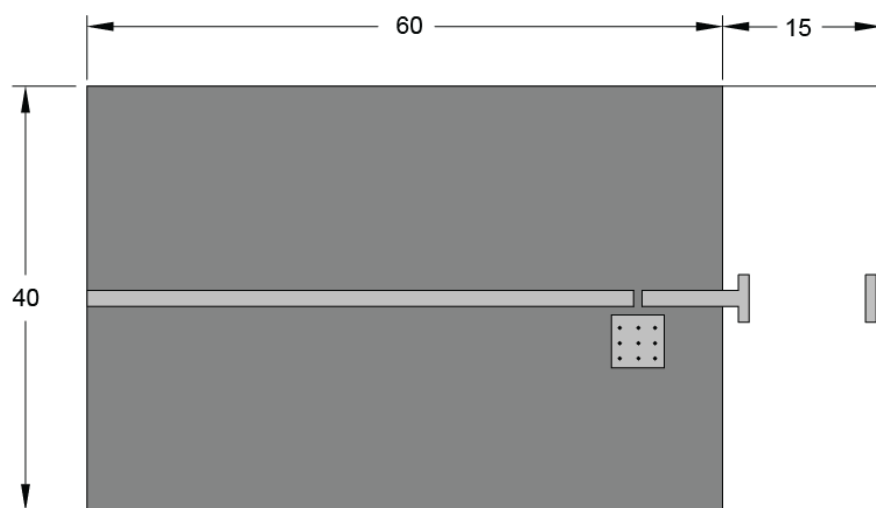


Table 3 Termination configuration

TERMINAL NAME	FUNCTION
S1	Feeding Point
S2	Soldering Point

REFERENCE DESIGN OF EVALUATION BOARD

Unit : mm

Fig. 2 Outlook and dimension of evaluation board

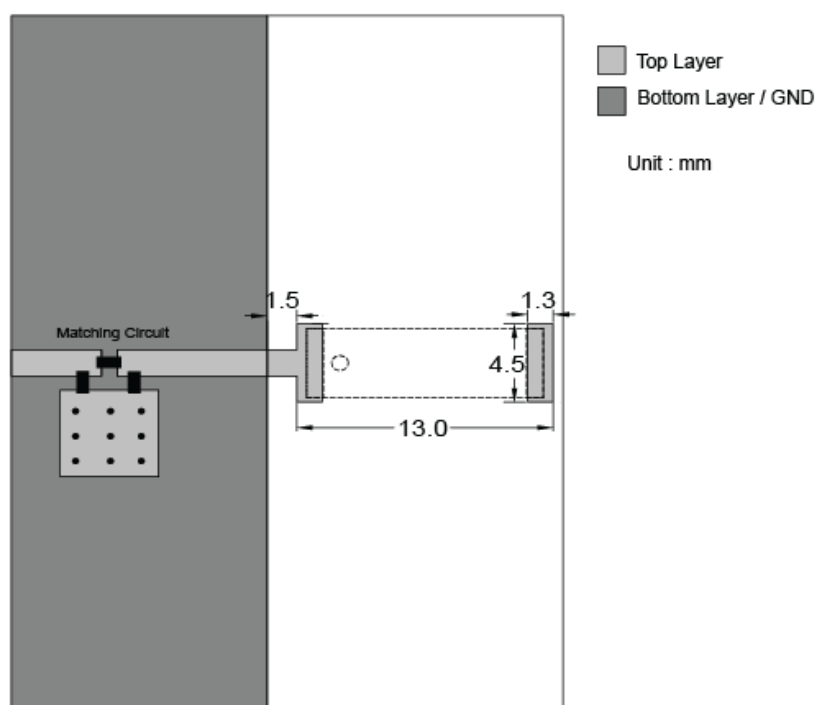


Fig. 3 Details of soldering Pad

ELECTRICAL PERFORMANCES

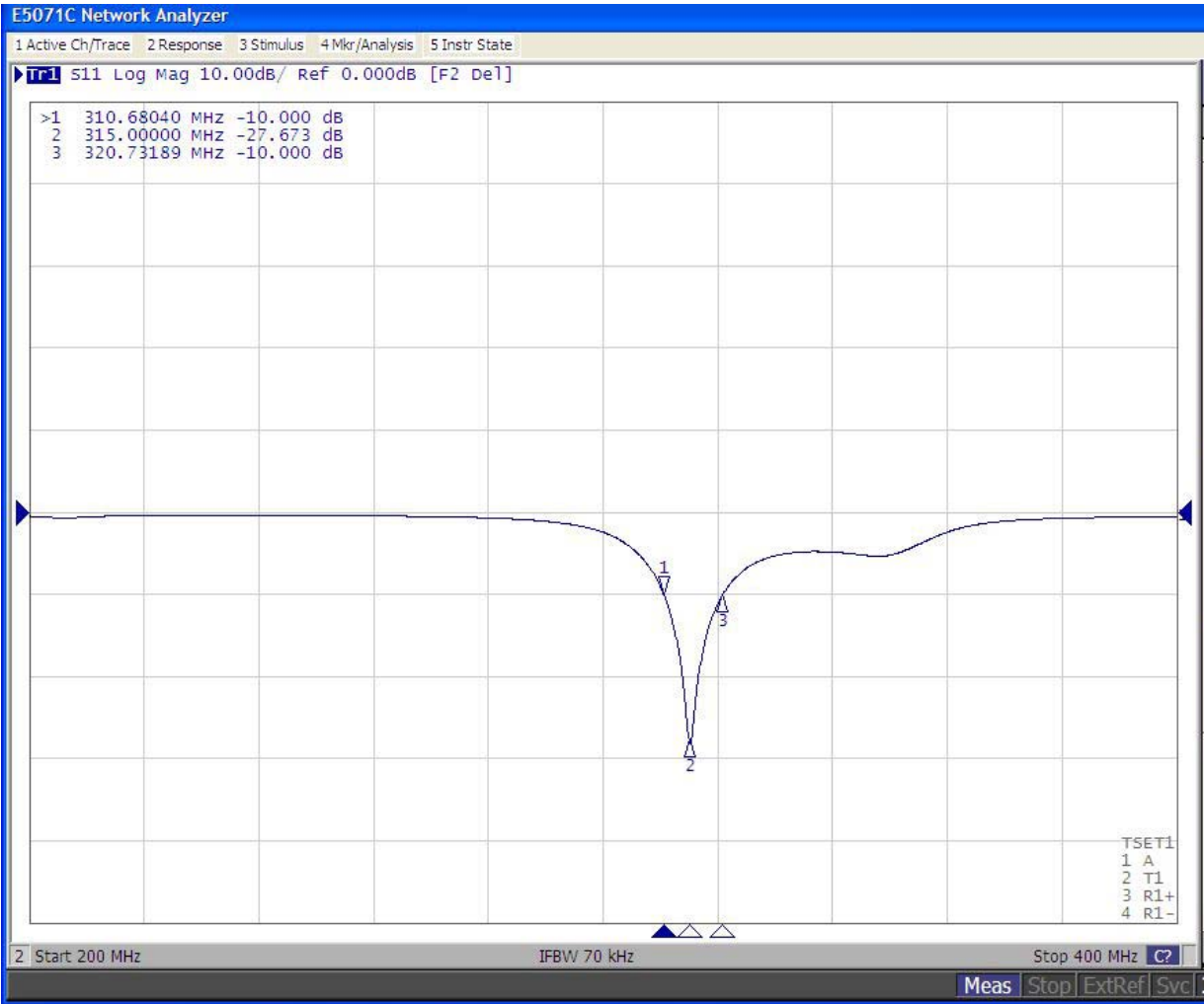


Fig. 4 Return loss

REVISION HISTORY

REVISION	DATE	CHANGE NOTIFICATION	DESCRIPTION
Version 0	Sep. 04, 2013	-	- New data sheet for Ceramic Chip Antenna, 315MHz application, 1204 series