

DATA SHEET

WIRELESS COMPONENTS

Ceramic Chip Antenna

ANT1204LL04RGNSSA

GNSS-GPS & GLONASS & BEIDOU
1204 Series



FEATURES

- Compact size
- Omni-directional radiation
- GNSS-GPS&GLONASS&BDS design
- Tape & reel automatic mounting
- Reflow process compatible
- RoHS compliant

APPLICATIONS

- Navigation device
- GNSS 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 L04 R GNSSA
 (1) (2) (3) (4) (5) (6)

(1) PRODUCT

ANT = Antenna

(2) SIZE

I204 = 12 × 4.0

(3) ANTENNA TYPE

L,F,A = Chip Antenna

(4) SERIAL NO.

L04

(5)PACKING STYLE

R = Tape and Reel

(6) WORKING FREQUENCY

GNSS = 1559 ~ 1610 MHz

PHYCOMP CTC

CAN431175904GNS1K

I2NC

431175904GNS

SPECIFICATION

Table 1

DESCRIPTION	VALUE
Centre Frequency	1.55-1.61 G Hz
Bandwidth	90 MHz (Typ.)
Polarization	Linear
Azimuth Beamwidth	Omni-directional
Peak Gain	2.32 dBi (Typ.)
Impedance	50 ohm
Operating Temperature	- 40~105 °C
Maximum Power	1W
Termination	Ag (Environmentally-Friendly Leadless)
Resistance to Soldering Heats	260°C , 5sec.

NOTE

I. The specification is defined on Yageo evaluation board

DIMENSIONS

Table 2 Machinical Dimension

	DIMENSION
L (mm)	12.0 ± 0.2
W (mm)	4.0 ± 0.2
T (mm)	1.1 ± 0.2
P (mm)	0.8 ± 0.2

Table 3 Termination configuration

TERMINAL NAME	FUNCTION
PI	Feeding Point
P	Soldering Pad

OUTLINES

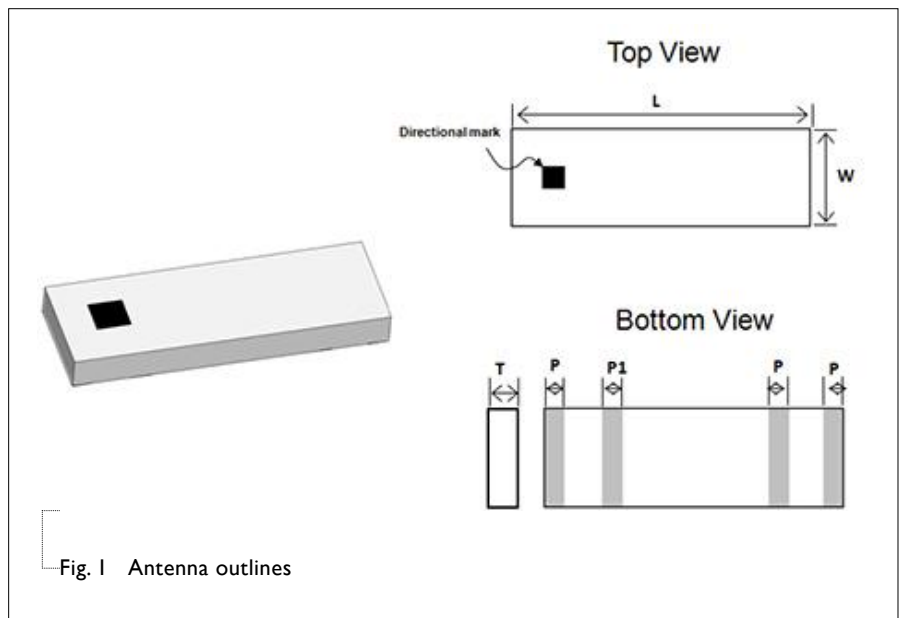
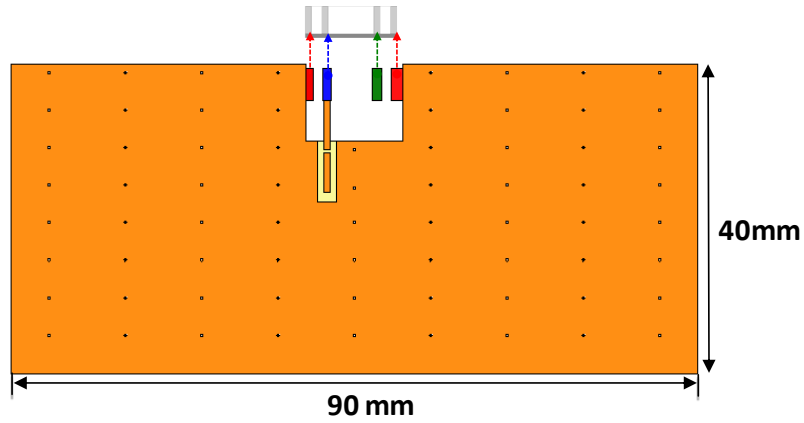


Fig. 1 Antenna outlines

REFERENCE DESIGN OF EVALUATION BOARD



Clearance size :12.8*10 mm

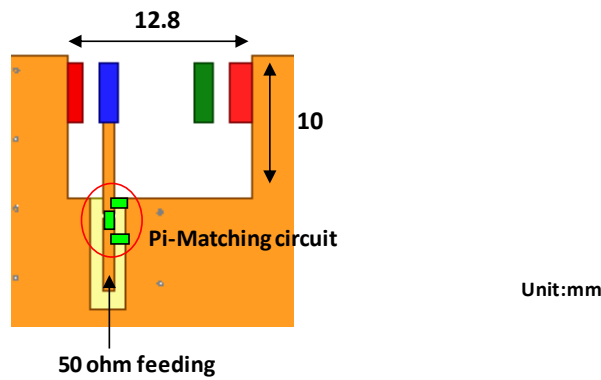
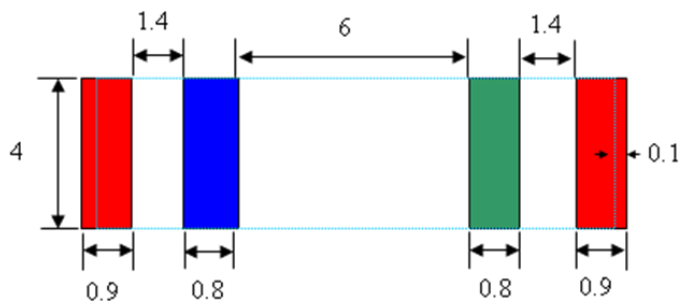


Fig. 2 Outlook and dimension of evaluation board



- Footprint (connect to ground)
- Footprint for Feeding
- Soldering Pad
- Antenna outline

Unit: mm

Fig. 3 Footprint

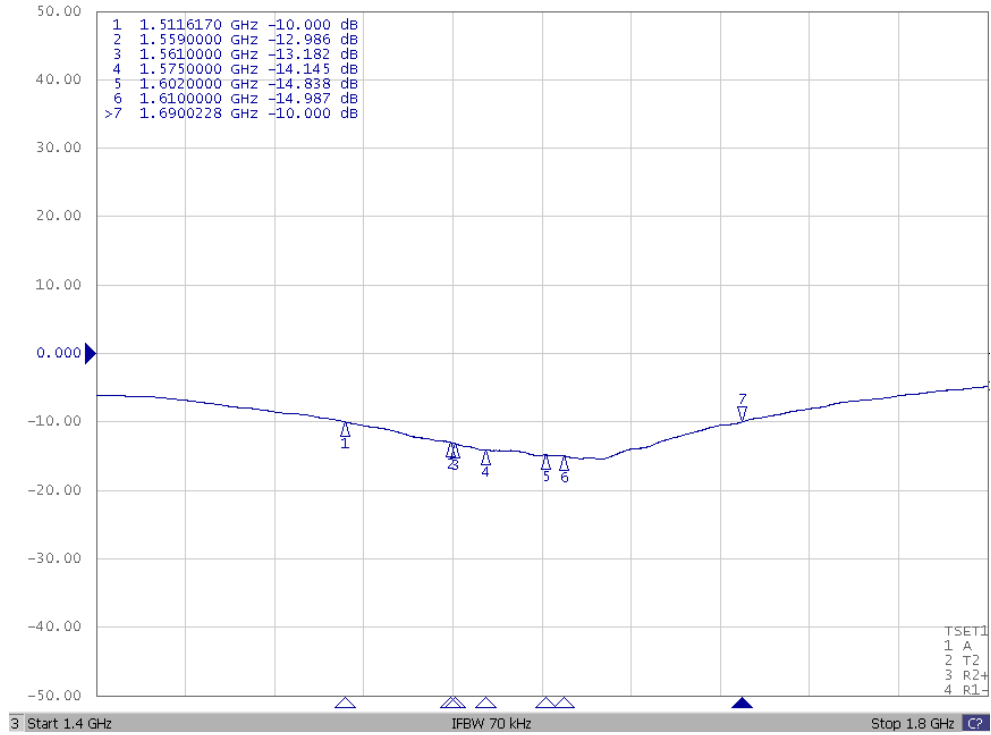
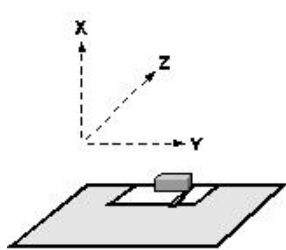


Fig. 4 Footprint

ELECTRICAL PERFORMANCES



Evaluation board and XYZ direction

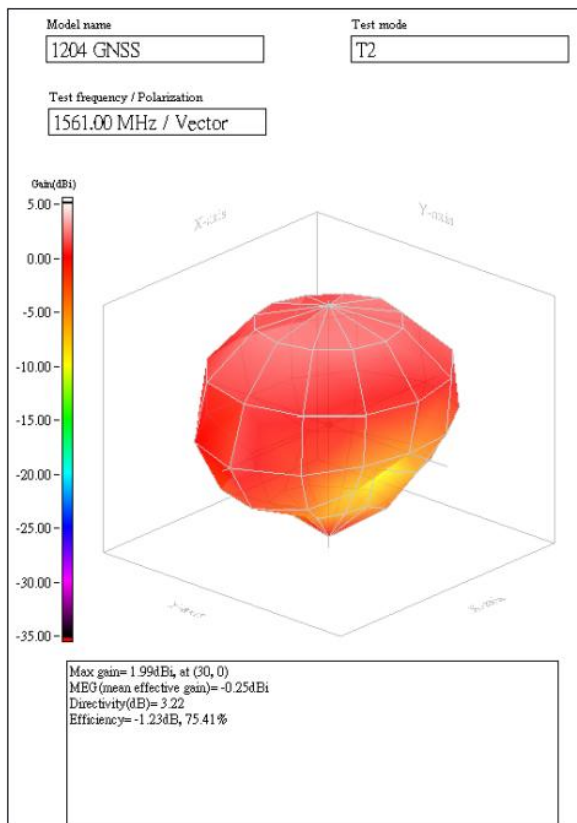
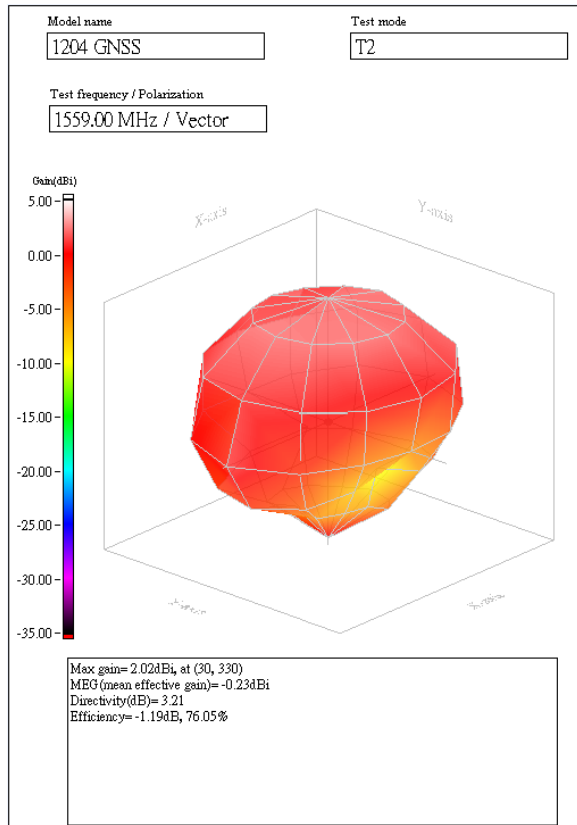
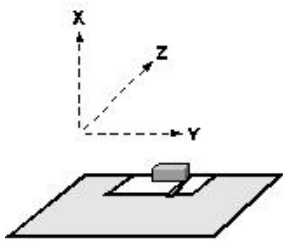


Fig 5 Radiation pattern



Evaluation board and XYZ direction

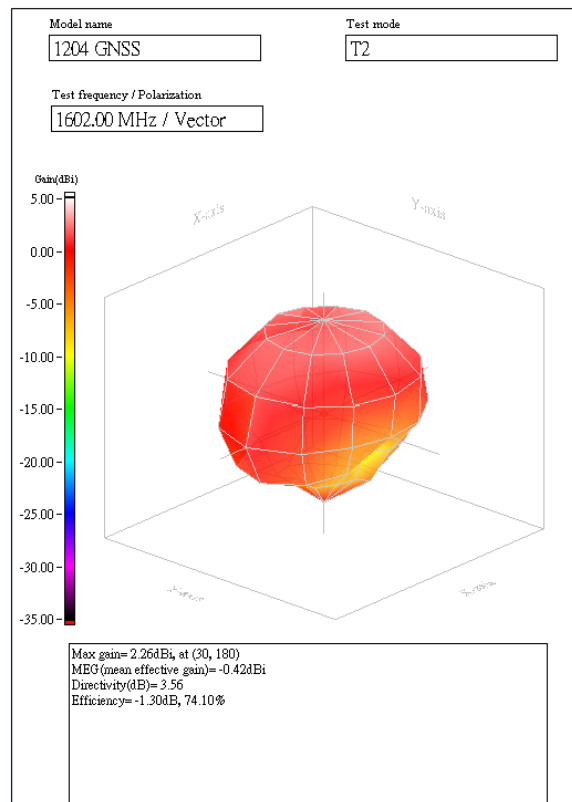
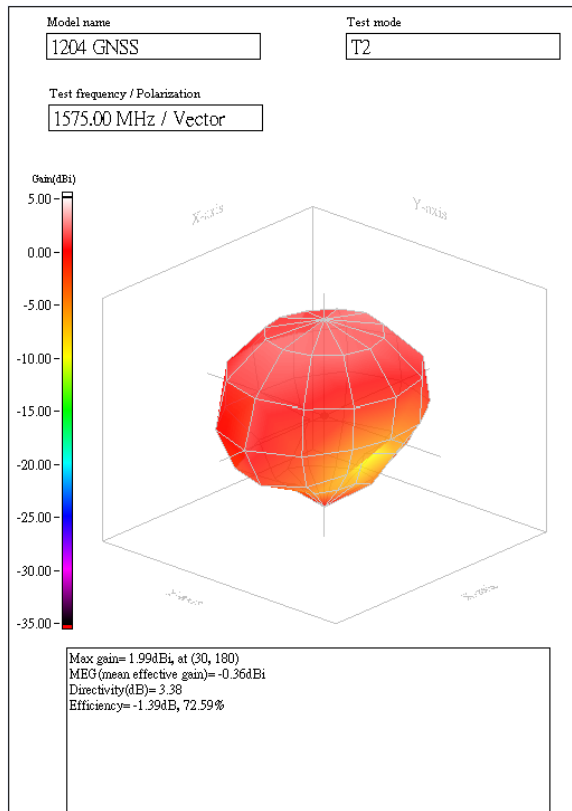
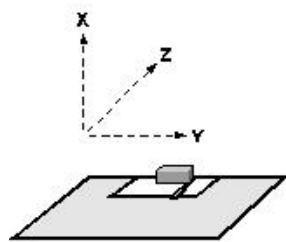


Fig 6 Radiation pattern



Evaluation board and XYZ direction

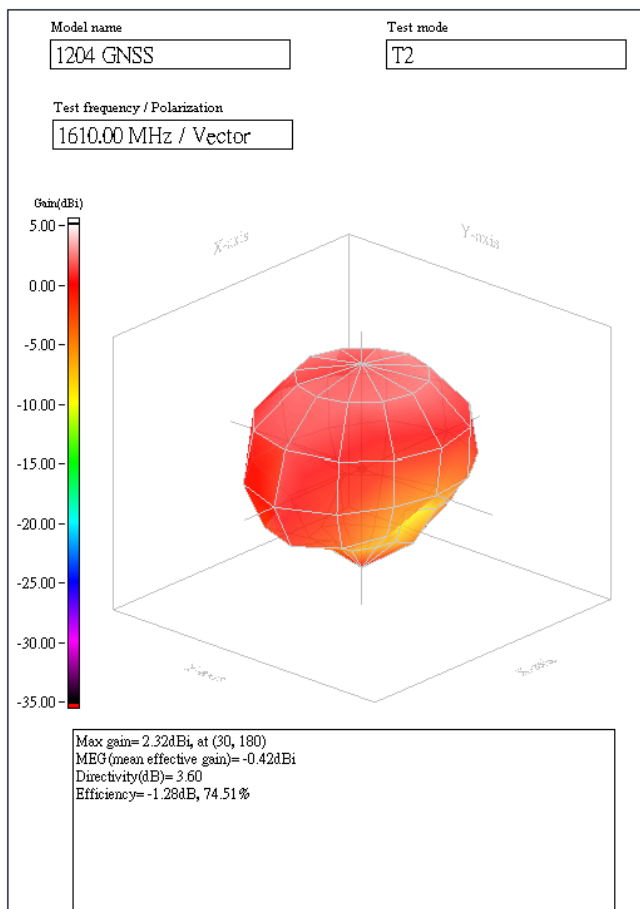


Fig. 7 Radiation pattern

REVISION HISTORY

REVISION	DATE	CHANGE NOTIFICATION	DESCRIPTION
Version 0	Jul. 15, 2015	-	- New datasheet for SMD type antenna, GNSS-GPS & GLONASS & BEIDOU application, I204 series

单击下面可查看定价，库存，交付和生命周期等信息

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