

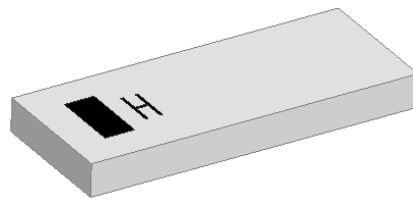
433MHz 1204 Chip Antenna: ANT1204R04331KL1

Application:

ISM band, Telemeter, keyless entry system...

Features

SMD, high reliability, ultra Impact, Omni-directional...



Part number

ANT 1204 R 0433 A1 L1
(1) (2) (3) (4) (5) (6)

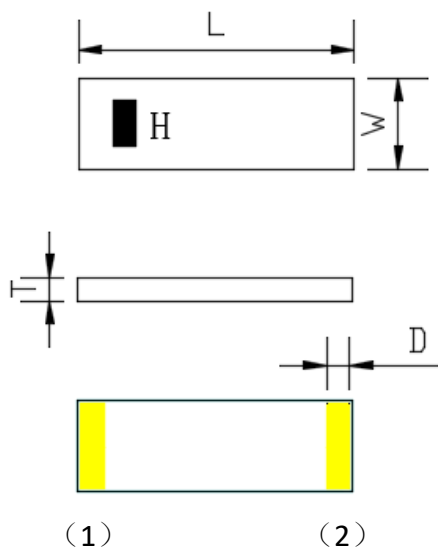
(1) Product Code	Chip Antenna
(2) Size Code	12.0x4.0mm
(3) Packing	Tape and reel
(4) Frequency	433MHz
(5) Series	A1
(6) Code	L1

Electrical Specification

Centre Frequency	433 MHz
Impedance	50 Ohm
VSWR	2.5 Max
Polarization	Linear
Azimuth Beamwidth	Omni-directional
Operation Temperature(°C)	-40 ~85°C

The specification is defined on EVB.

Dimension and Terminal Configuration

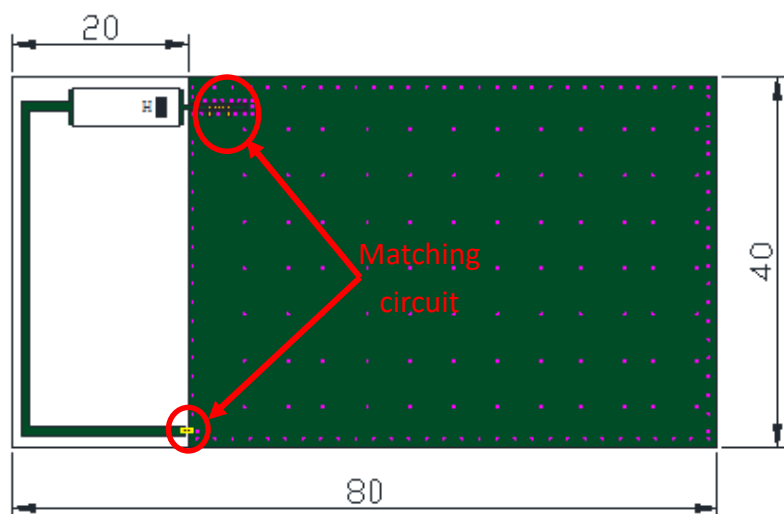


Dimension (mm)	
L	12.0 ± 0.15
W	4.0 ± 0.15
T	1.0 ± 0.15
A	1.0 ± 0.15

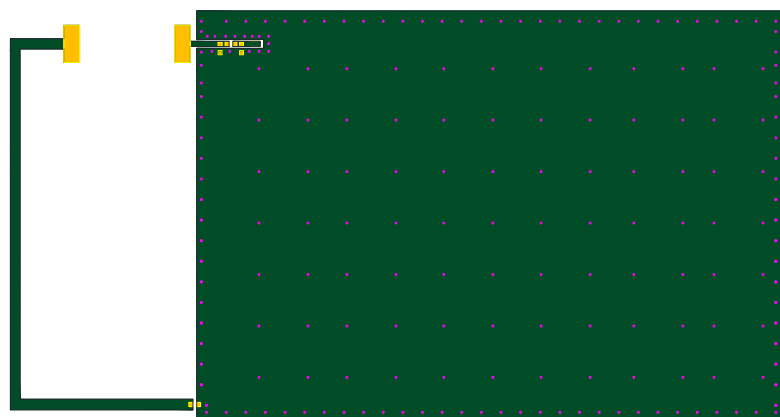
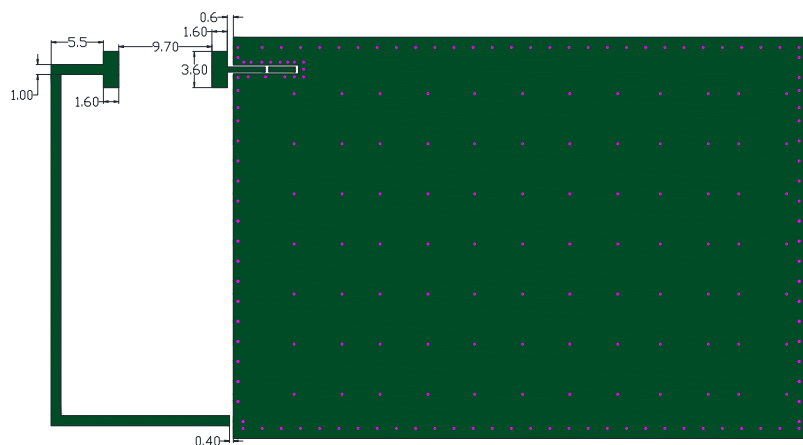
No.	Terminal Name
1	Feeding
2	grounding

Evaluation Board Reference

PCB Dimension



Antenna Layout Reference



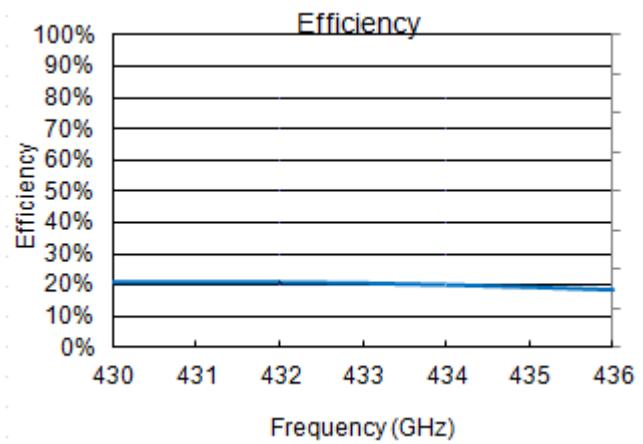
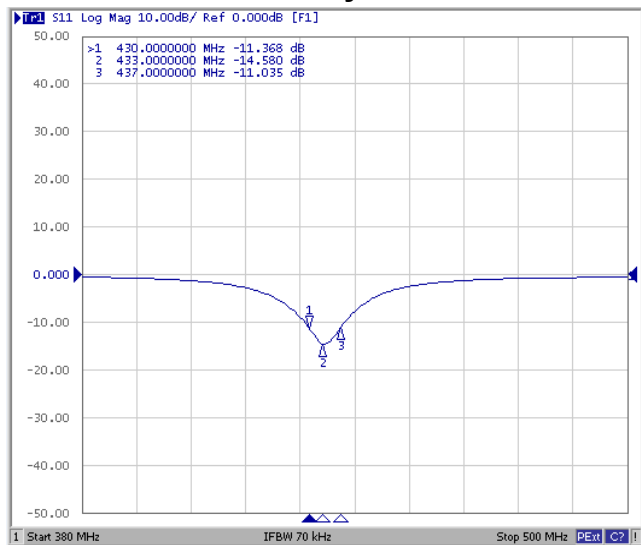
Unit : mm

 : Chip Antenna

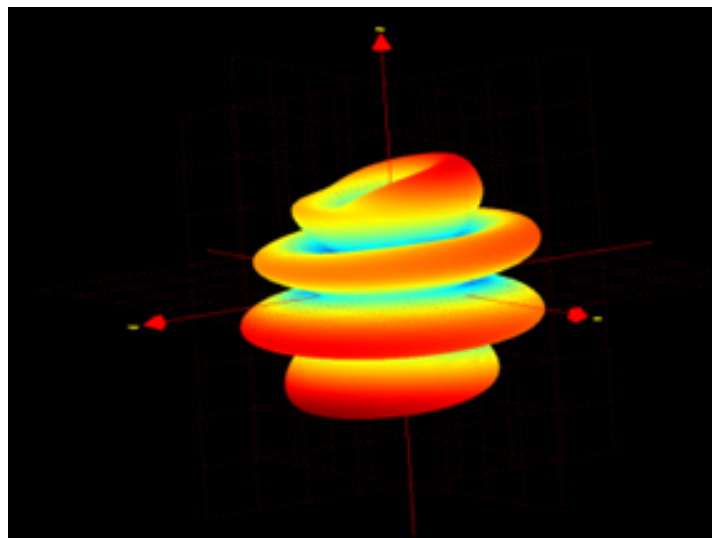
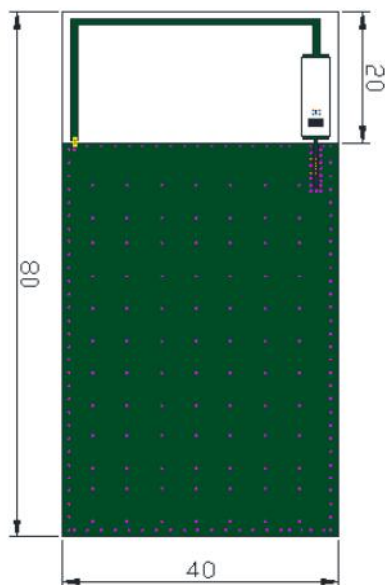
 : Land Pattern

Electrical Characteristics

Return loss & Efficiency



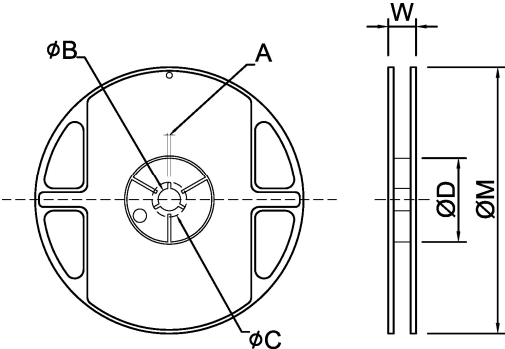
Radiation Pattern



Taping Specifications

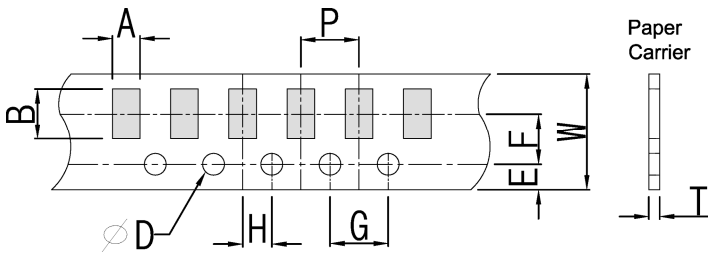
Reel and Taping Specification

Reel Specification



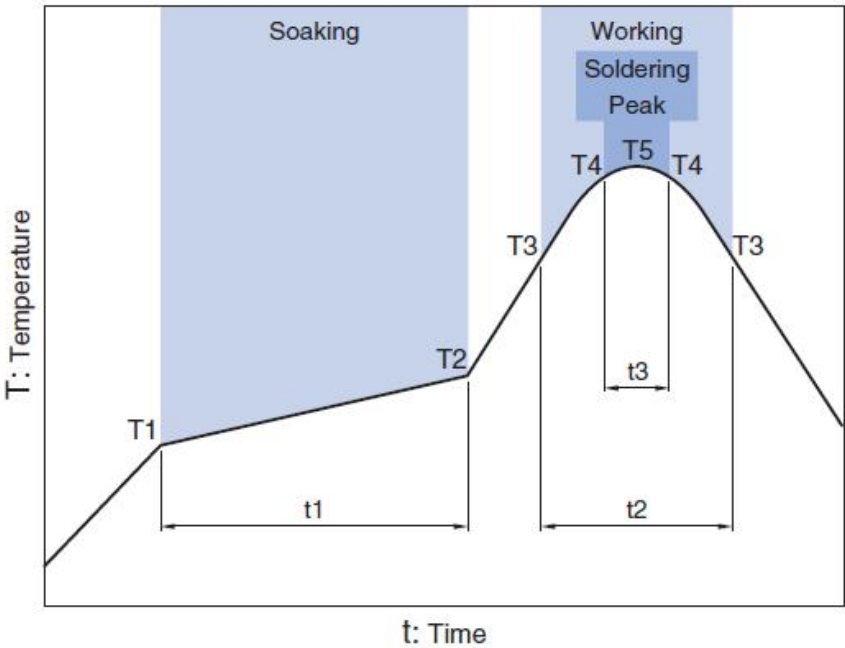
TYPE	SIZE		A	ψB	ψC	ψD	W	ψM
1204	7"	1K/Reel	3.2±0.5	13.0±1.0	15.3±1.0	67±1.0	28.5±2.0	178±2.0

Taping Specification



Recommended Reflow Profile

Pb free solder



Soaking			Working		Soldering		Peak
Temp.		Time	Temp.	Time	Temp.	Time	Temp.
T1	T2	t1	T3	t2	T4	t3	T5
150°C	180°C	60 to 120sec	230°C	more than 30sec	247 to 253°C	within 10sec	260°C Max.