

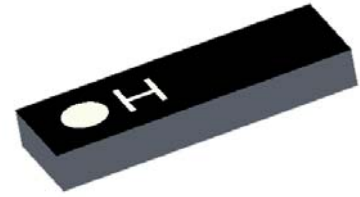
433MHz 1204 Chip Antenna: ANT1204R04331KM1

Application:

ISM band, Telemeter, Telemetry, keyless entry system...

Features

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



Part number

ANT 1204 R 0433 1K M1
 (1) (2) (3) (4) (5)

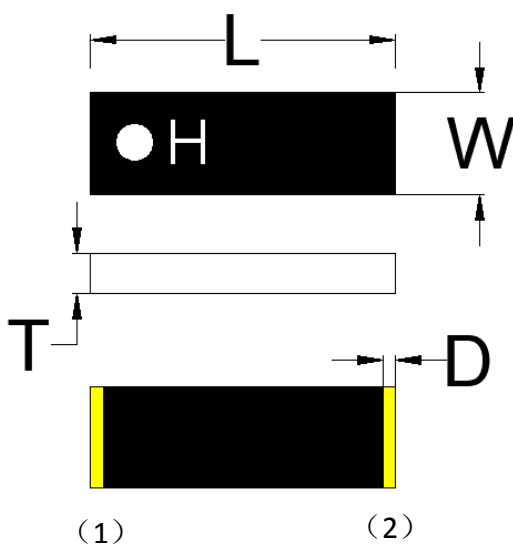
(1) Size Code	12.0x4.0mm
(2) Packing	Tape and reel
(3) Frequency	433MHz
(4) Packing Number	1K
(5) Code	M1

Electrical Specification

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

The specification is defined on EVB.

Dimension and Terminal Configuration+



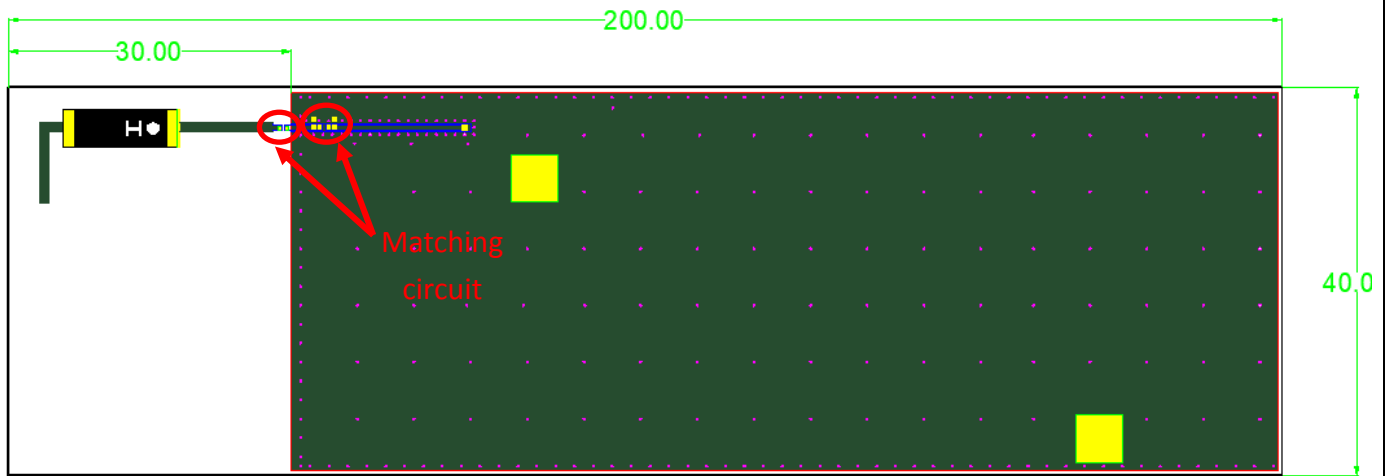
Dimension (mm)	
L	12.0±0.15
W	4.0±0.15
T	1.6±0.15
D	0.5±0.15

No.	Terminal Name
1	Feeding
2	Soldering

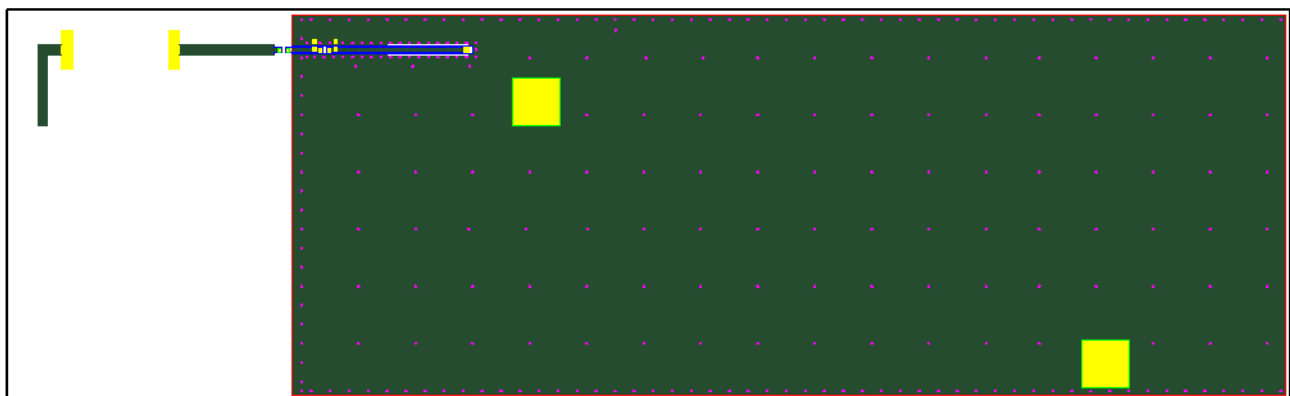
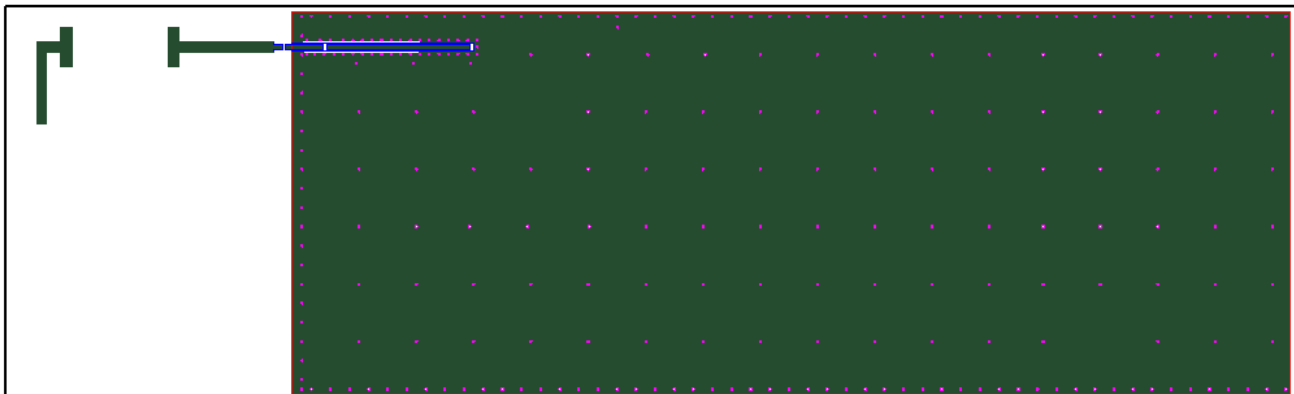
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Evaluation Board Reference

PCB Dimension



Antenna Layout Reference



Unit : mm

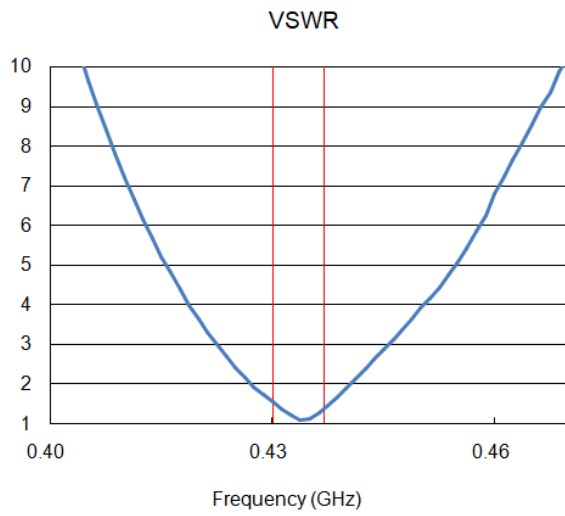
: Chip Antenna

: Land Pattern

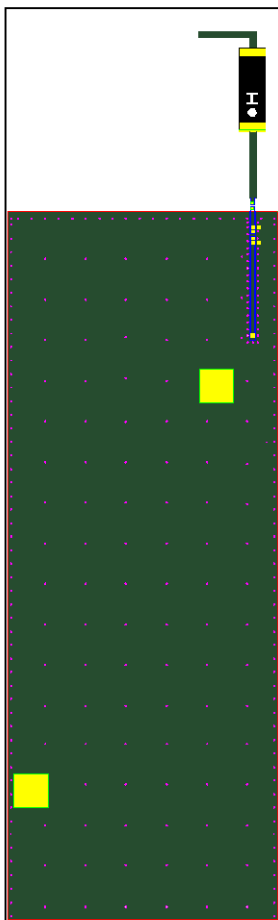
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Electrical Characteristics

VSWR&Efficiency



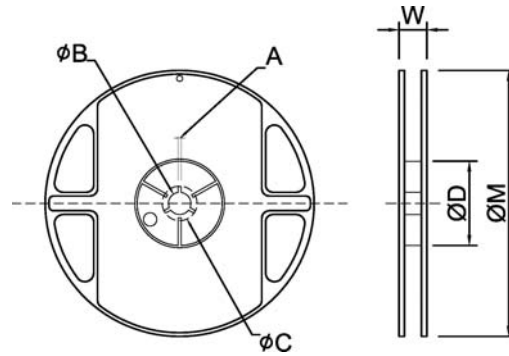
Radiation Pattern



Taping Specifications

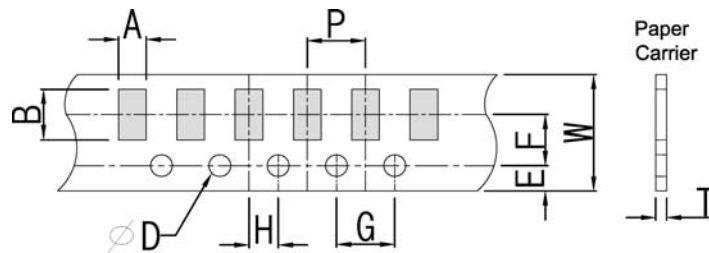
Reel and Taping Specification

Reel Specification



TYPE	SIZE		A	ϕB	ϕC	ϕD	W	ϕM
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

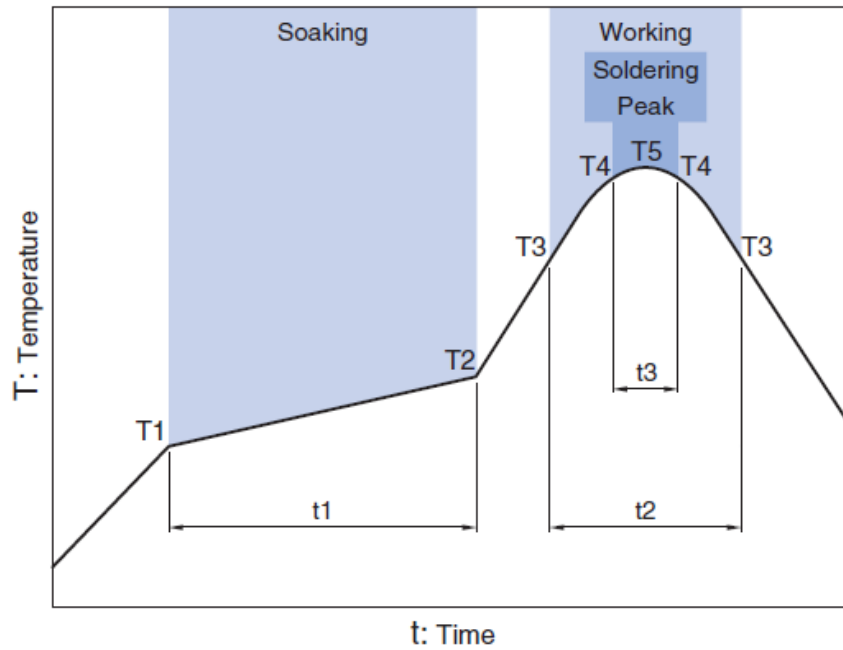


Packaging	Type	A	B	W	E	F	G	H	T	ϕD	P
Paper Type	1204	4.30±0.20	12.30±0.20	24.0±0.20	1.75±0.10	11.5±0.05	4.0±0.10	2.0±0.05	1.10±0.10	1.50 ^{+0.10} ₋₀	8.0±0.1

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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.

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