Application:

WLAN, 802.11b/g, Bluetooth, WLAN, etc…

Features

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

Part number Information

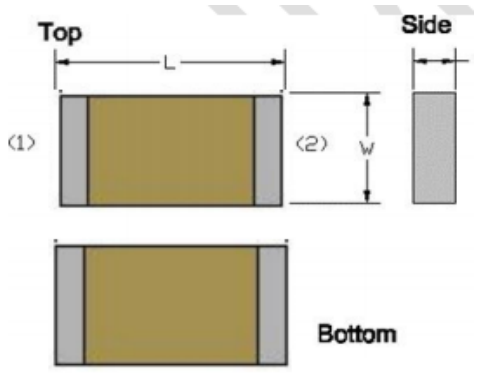
RANT	0603	F	245	C	04ZY
(A)	(B)	(C)	(D)	(E)	(F)

(A)Product Type	Chip Antenna
(B) Size Code	1.6x0.8mm(±0.1mm)
(C) Material	High K material
(D) Frequency	2.4 ~ 2.5GHz
(E) Feeding mode	PIFA & Single Feeding
(F) Antenna type	Type=04ZY

Electrical Specification

Working Frequency Range	2400 ~2500 MHz
Bandwidth	120 MHz (Min.)
Peak Gain	2.7 dBi (Typ.)
Impedance	50 Ohm
Return loss	10 dB (Min)
Polarization	Linear
Azimuth Beamwidth	Omni-directional
Operation Temperature(℃)	-40 ~85℃
Resistance to Soldering Heats	10sec. (@ 280℃)
Termination	Ni / Au (Leadless)

Dimension and Terminal Configuration



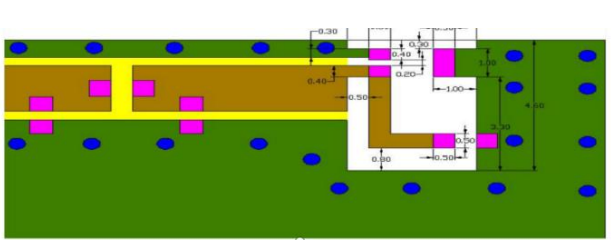
No.	Terminal Name
1	Feeding/GNG
2	GND/Feeding

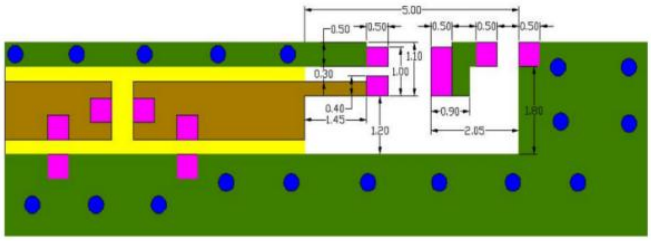
Dimension (mm)	
L	1.60 ± 0.10
W	0.80 ± 0.10
T	0.45 ± 0.10

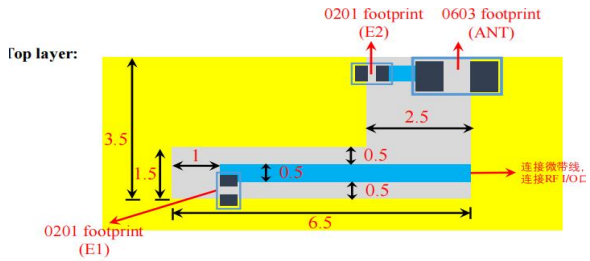
Evaluation Board Reference

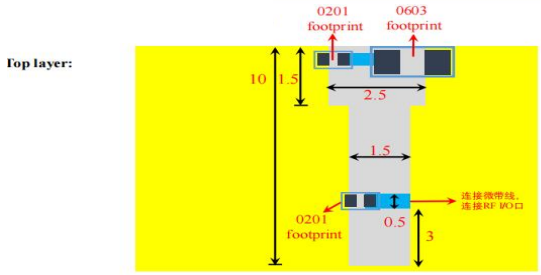
PCB Dimension Unit :mm

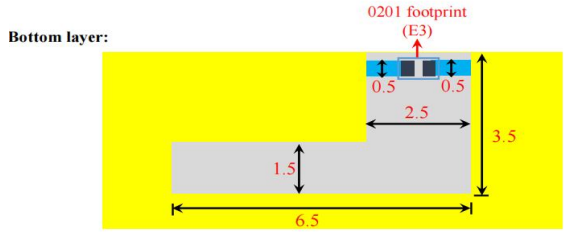
Return Loss & Radiation

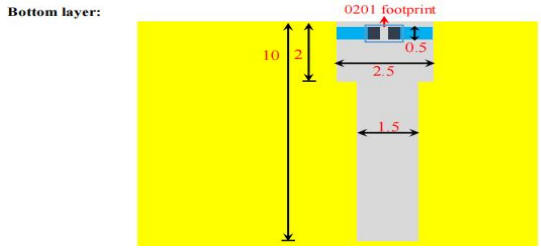


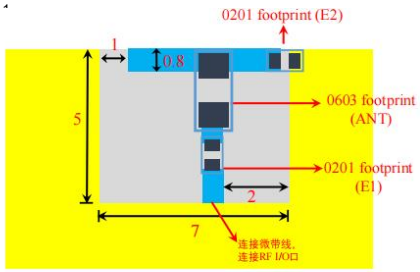


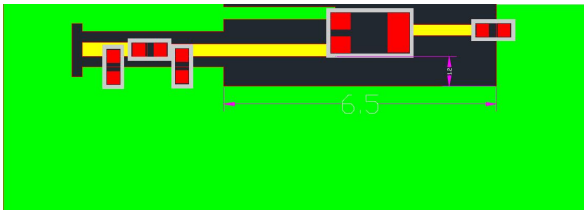


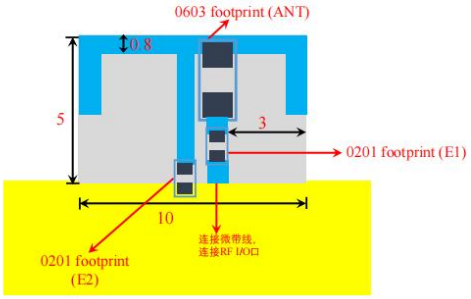


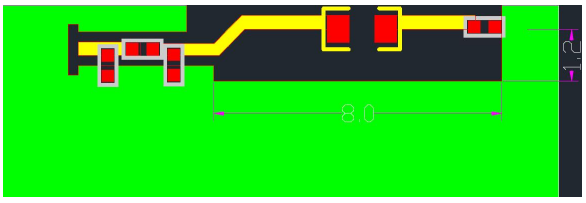








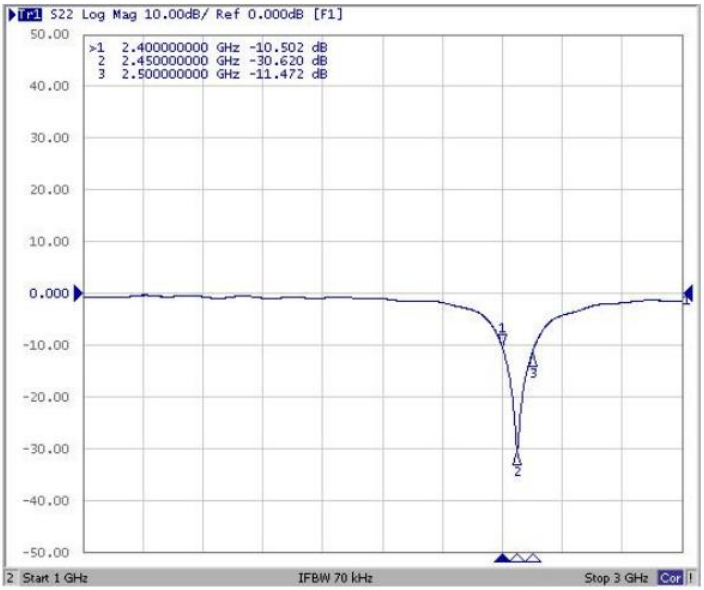




Electrical Characteristics

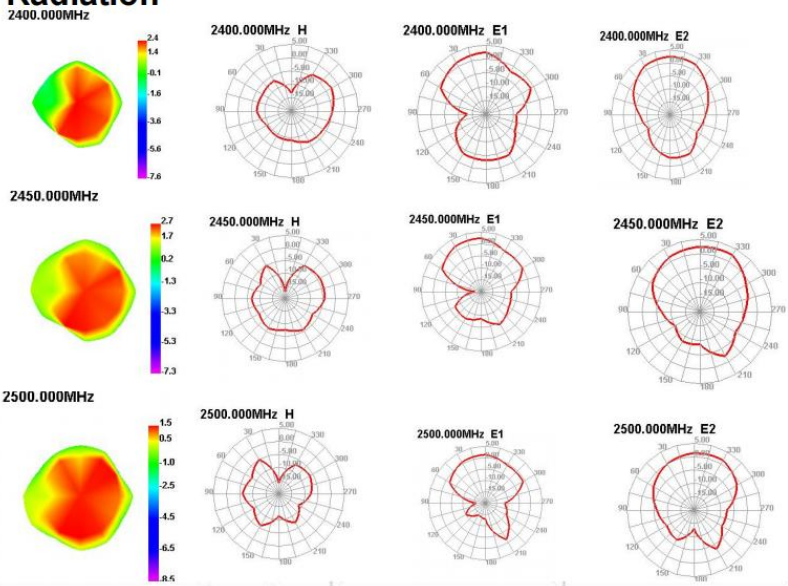
Return Loss & Radiation

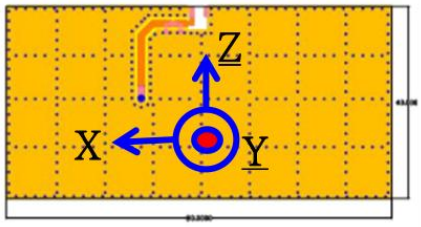
Return Loss

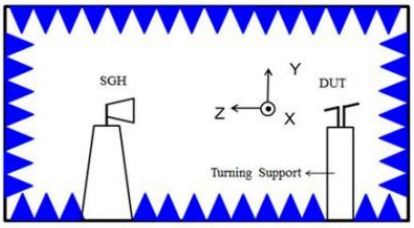


Frequency(MHz)	S11 (dB)
2400	-10.50
2450	-30.62
2500	-11.47

Radiation





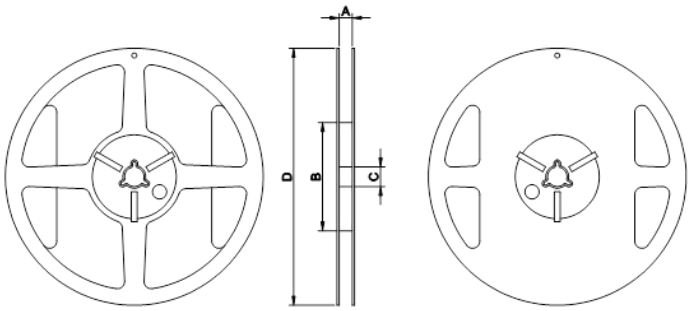


Frequency(MHz)	2400	2450	2500
Efficiency(dB)	-0.91	-0.61	-1.01
Efficiency(%)	62	65	60
Gain(dBi)	2.4	2.7	1.5

Taping Specifications

Reel and Taping Specification

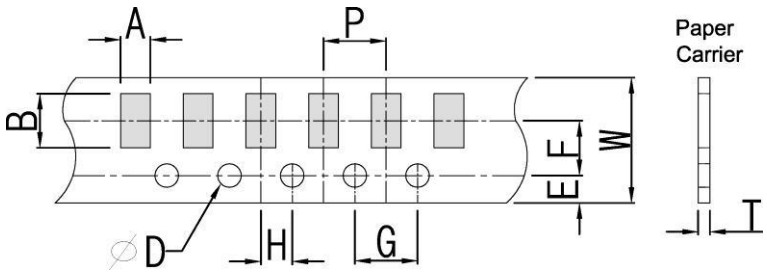
Reel Specification



7" x 8 mm

TYPE	SIZE		A	B	C	D
1608	7"	4K/Reel	4.0±0.5	4.0±2	13.5±0.5	178±2

Tapping Specification



Packaging	Type	A	B	W	E	F	G	H	T	ψD	P
Paper Type	1608	1.90±0.20	3.50±0.20	8.0±0.20	1.75±0.10	3.5±0.05	4.0±0.10	2.0±0.05	0.75±0.10	1.50±0.10	4.0±0.1