



SMD CERAMIC ANTENNA

Data Sheet

CA-2450-31-A

For 2400-2484MHz
3.2x1.6mm [EIA1206]

FEATURES

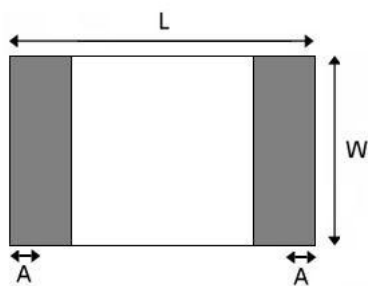
- Light weight,compact
- Wide bandwidth,lowcost
- Built-in antenna with high gain

APPLICATIONS

- Bluetooth
- IEEE802.11g/b
- Zigbee systems,etc...



SHAPES AND DIMENSIONS Dimensions in mm



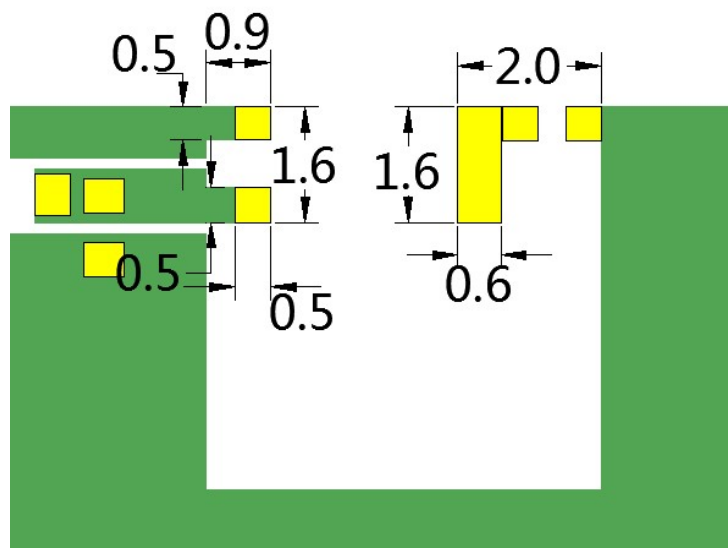
L	W	H	A
3.2±0.3	1.5±0.3	0.52±0.2	0.3±0.25



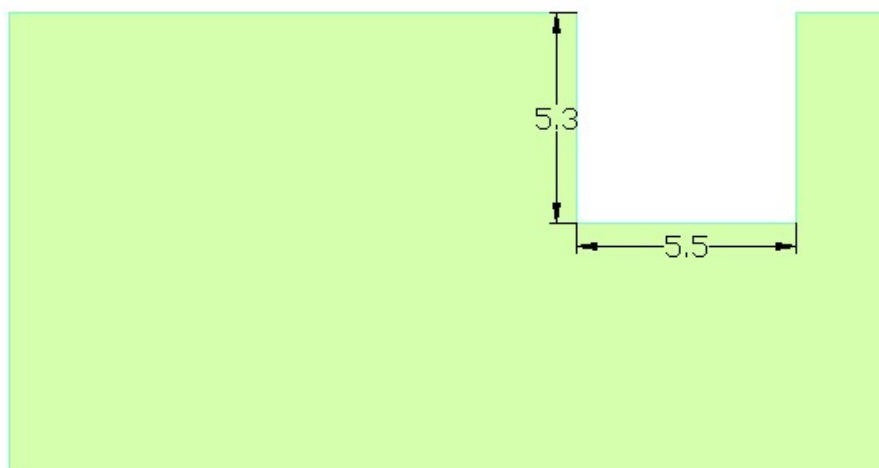
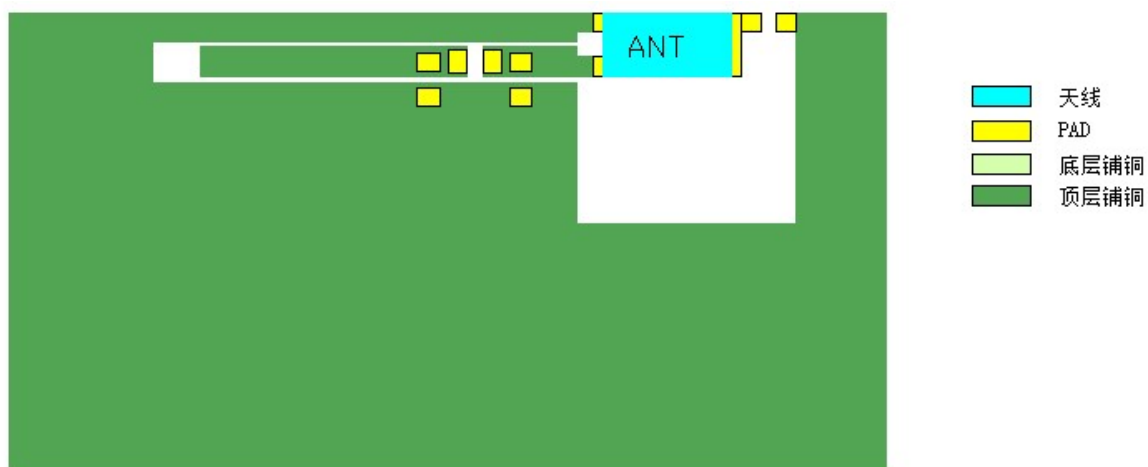
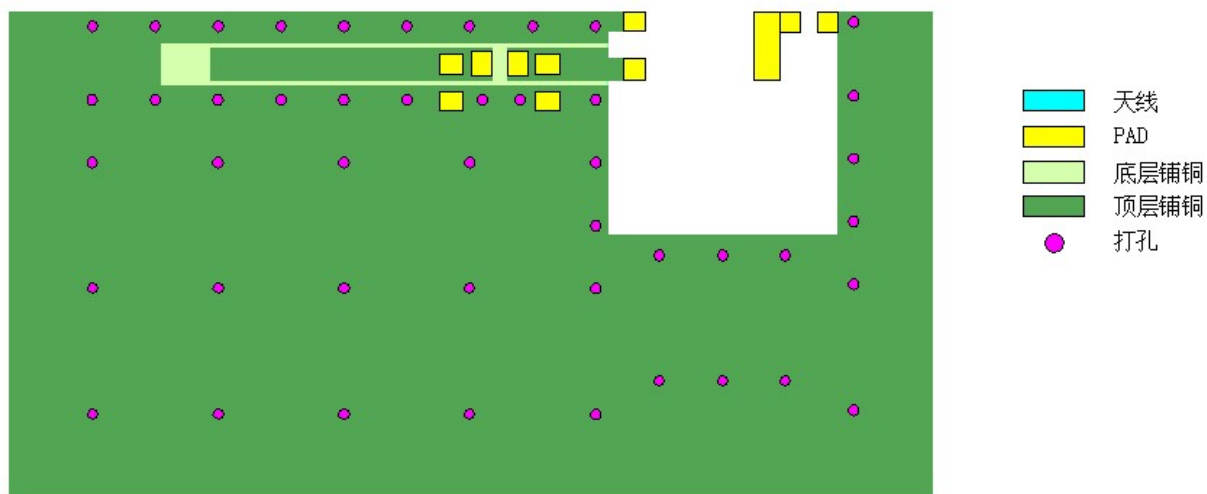
ELECTRIC SPECIFICATIONS

Product type	CA-2450-31
Center Frequency Range	2450MHZ
Input Impedance	50 Ω

Frequency (MHz)	Efficiency (%)	Gain (dBi)
2400	59.62	3.98
2450	62.87	4.34
2500	61.26	4.1



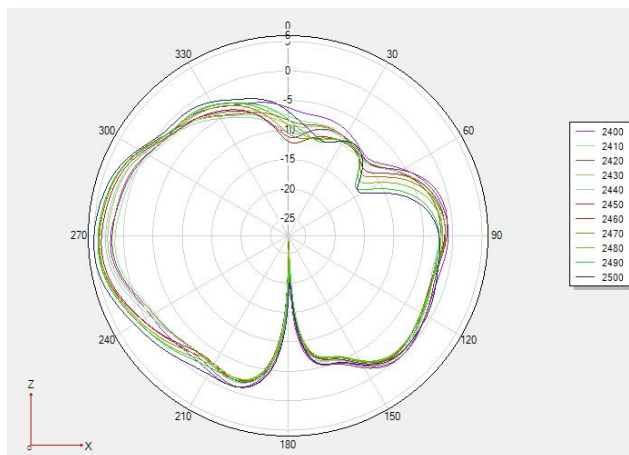
■ EVALUATION BOARD



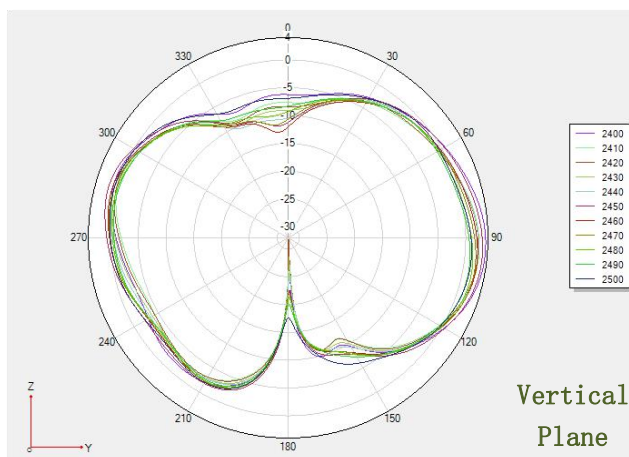
RADIATION PATTERNS

2.4GHz WLAN BAND

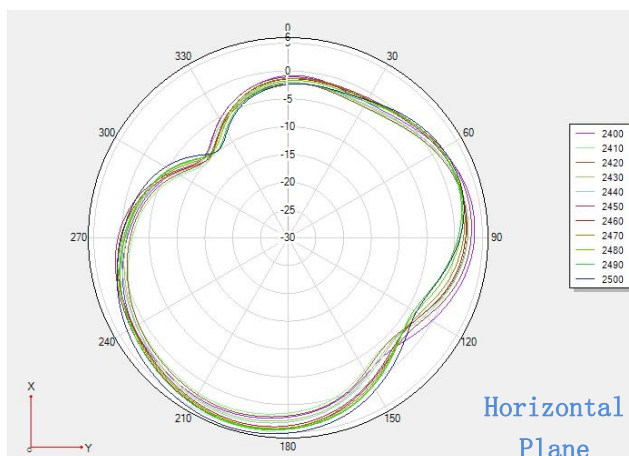
Antenna 2D Radiation Pattern



Phi 0 2D



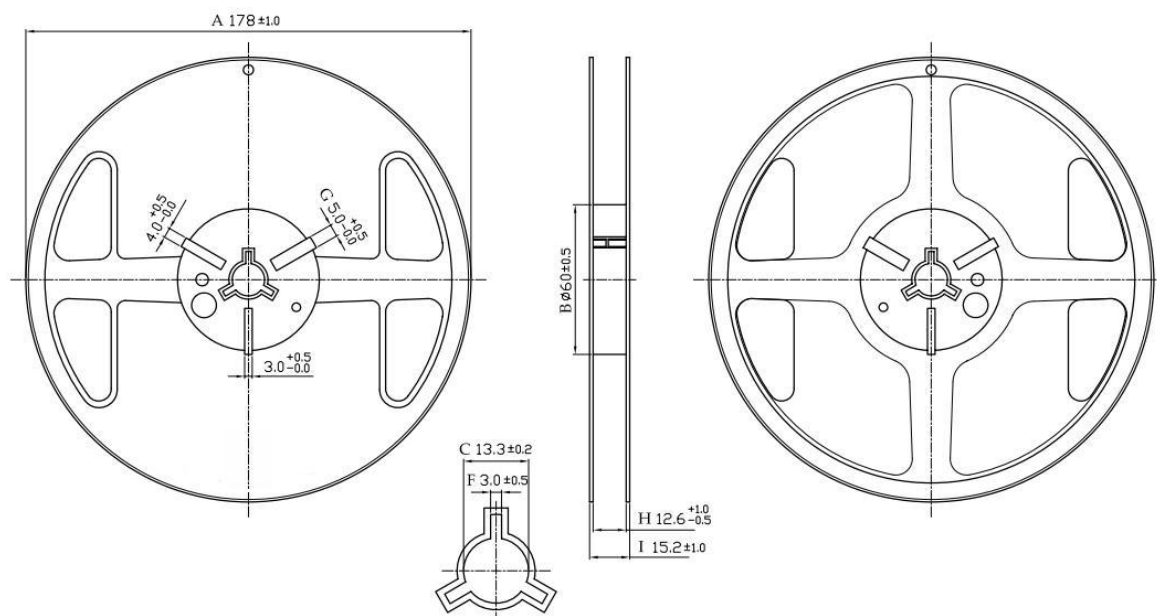
Phi 90 2D



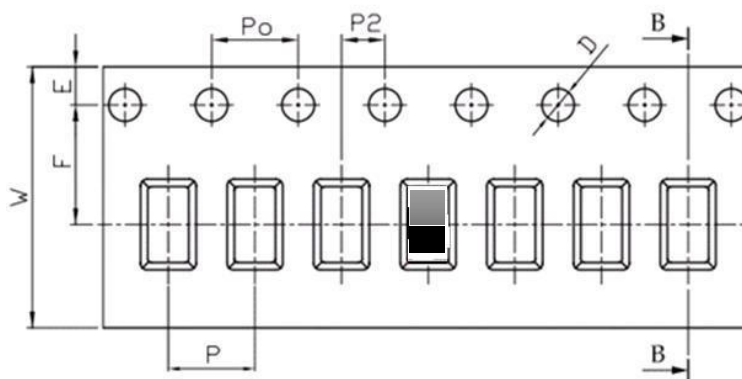
Theta 90 2D

■ PACKAGING STYLE

□ REEL DIMENSIONS



□ TAPE DIMENSIONS



Feature	Specifications	Tolerances
W	12.00	±0.30
P	4.00	±0.10
E	1.75	±0.10
F	5.50	±0.10
P2	2.00	±0.10
D	1.50	+0.10 -0.00
P ₀	4.00	±0.10
10P ₀	40.00	±0.20

Typing Quantity: 5000 pieces per 7" reel