

SMD CERAMIC ANTENNA

Data Sheet

CA-2450-31

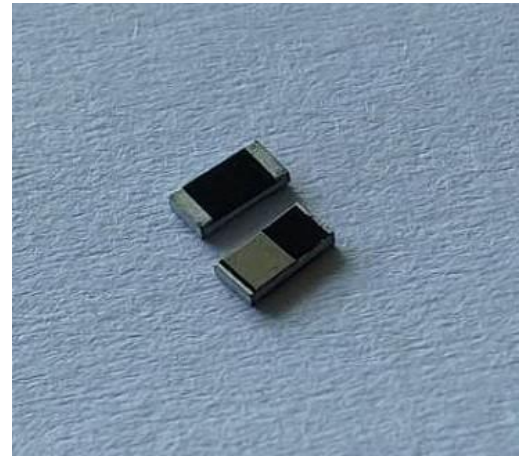
For 2400-2484MHz
3.2x1.6mm [EIA1206]

FEATURES

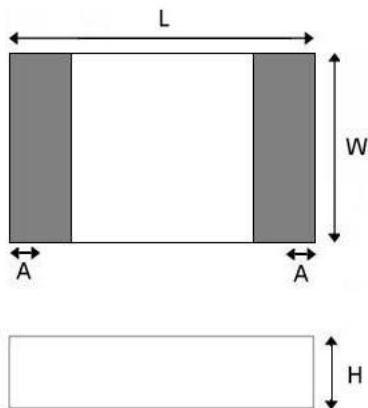
- Light weight,compact
- Wide bandwidth,lowcost
- Built-in antenna with high gain

APPLICATIONS

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



SHAPES AND DIMENSIONS Dimensions in mm



L	W	A	H
3.10 ± 0.10	1.55 ± 0.10	0.40 ± 0.20	0.50 ± 0.10

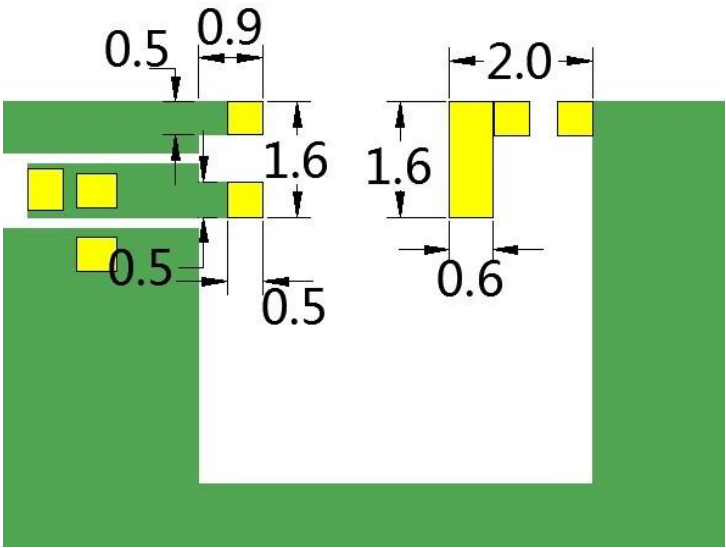
■ ELECTRIC SPECIFICATIONS

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

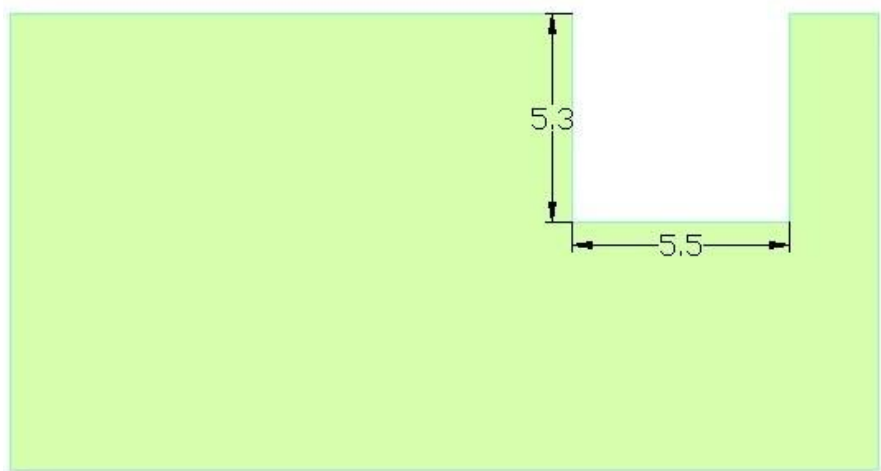
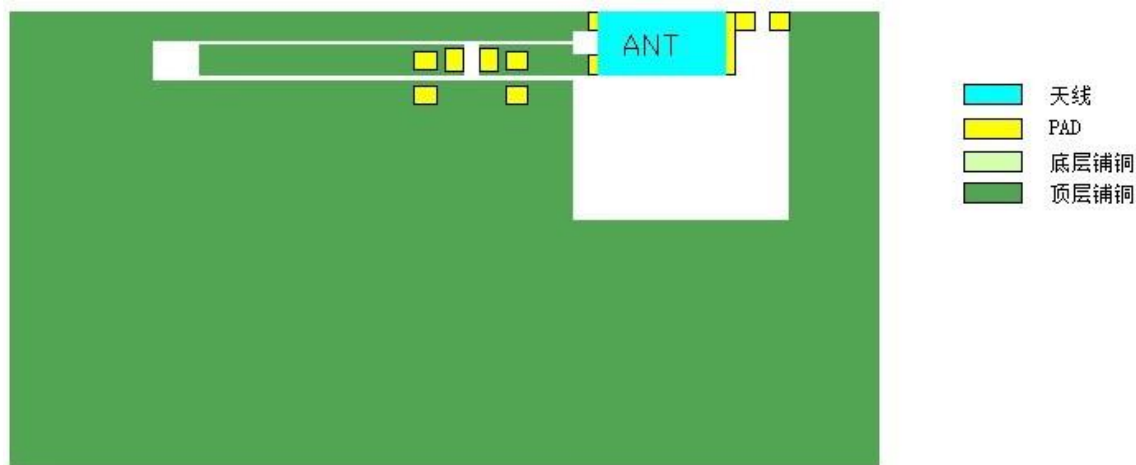
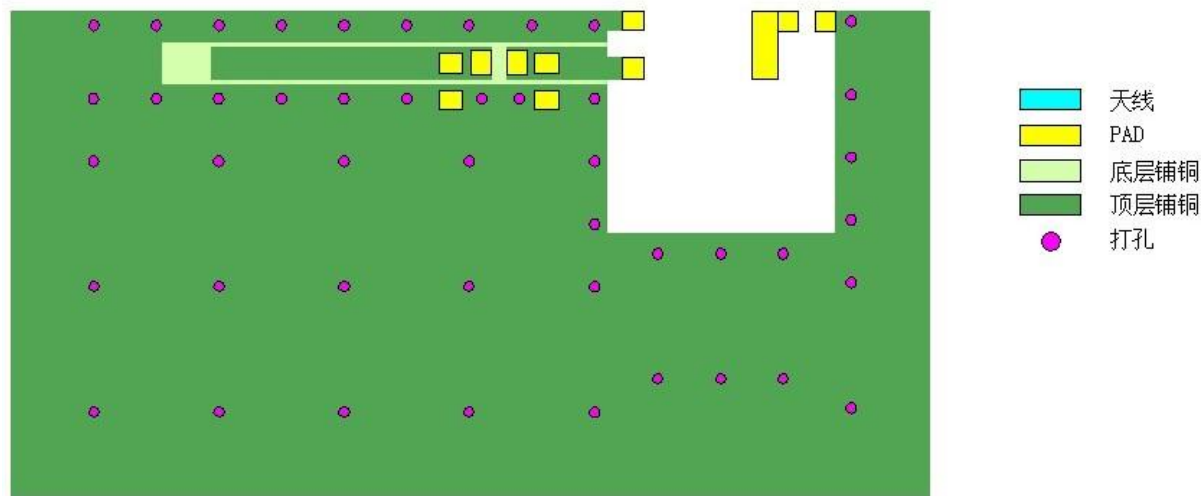
■ PART NUMBERING SYSTEM

CA-2450-31-A

Material-Frequency-Size-Type



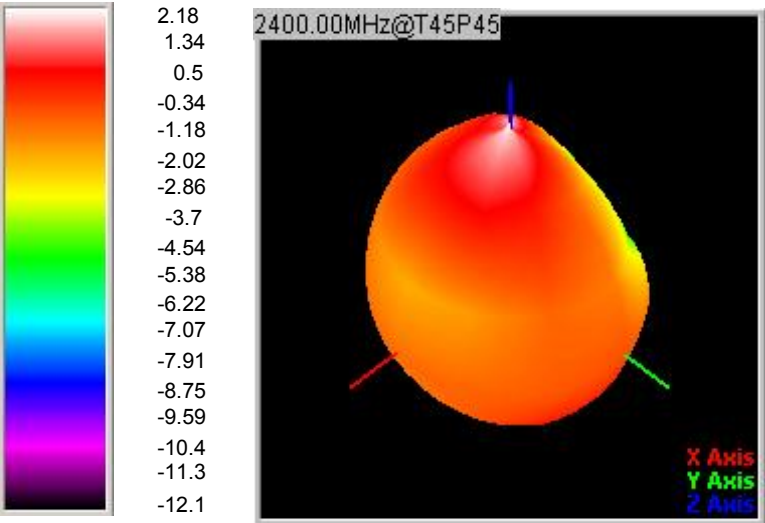
EVALUATION BOARD



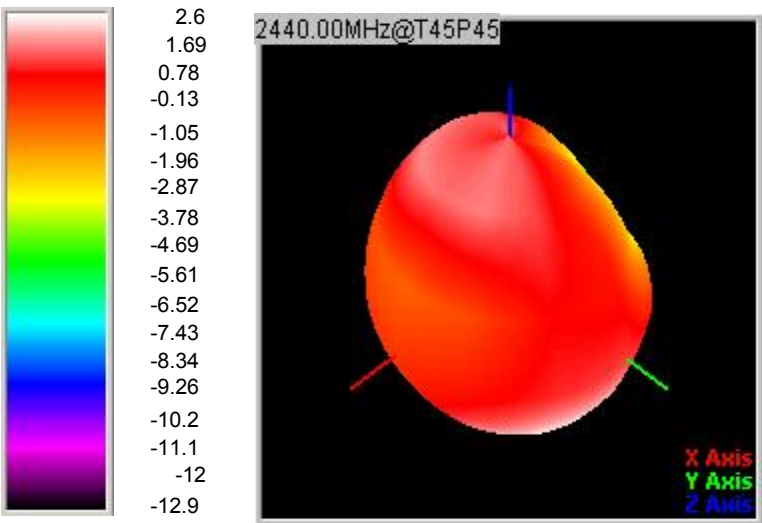
■RADIATION PATTERNS

□2.4GHz WLAN BAND

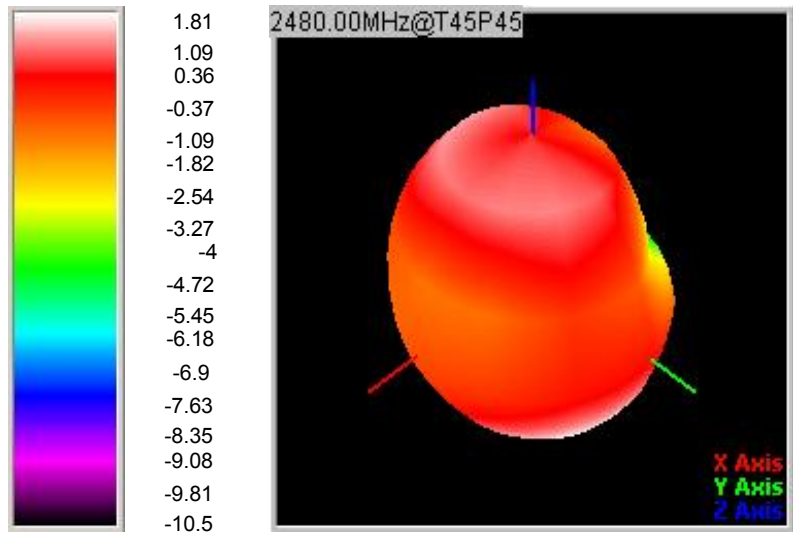
◎ 3D Gain Pattern (2400 MHz)



◎ 3D Gain Pattern (2440 MHz)

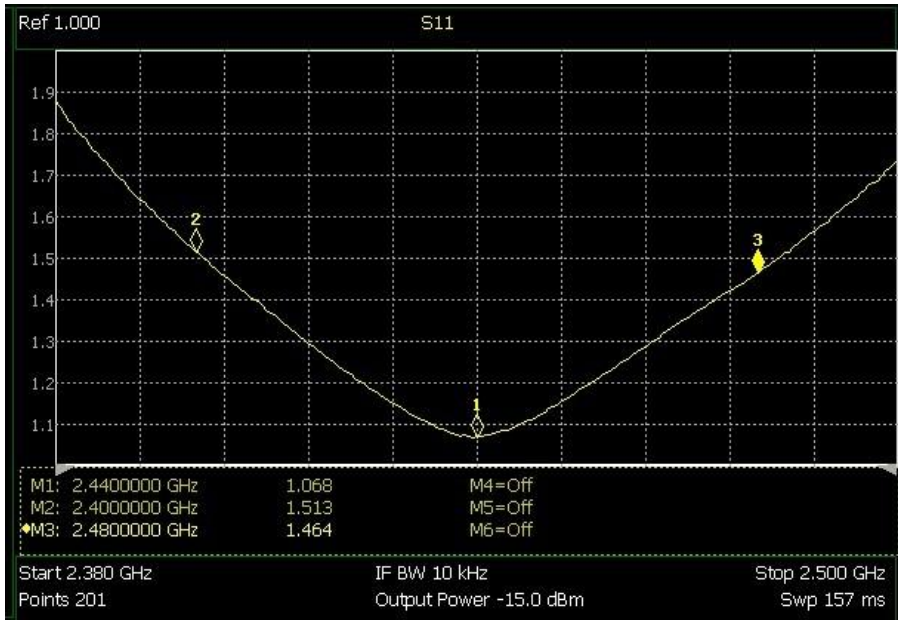
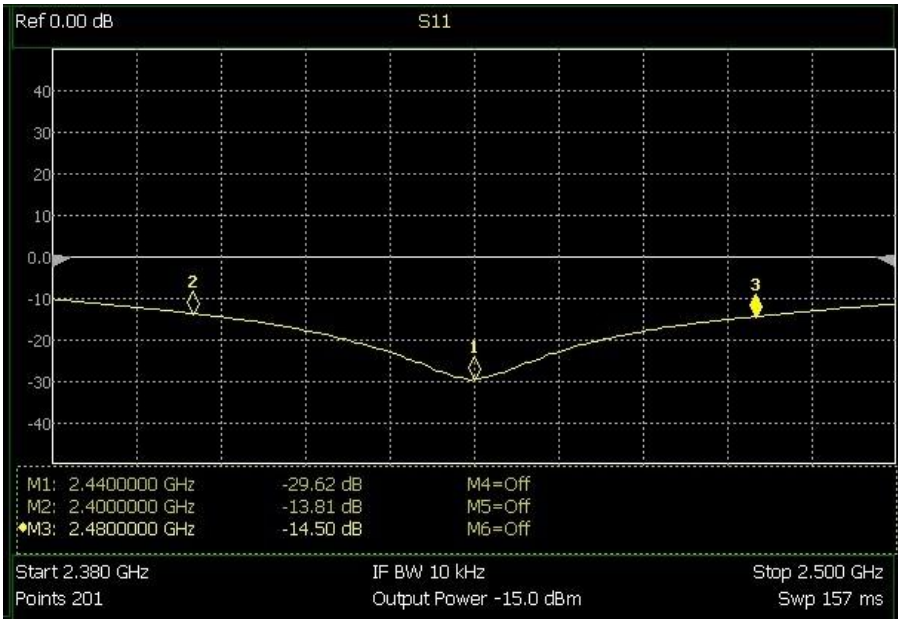


◎ 3D Gain Pattern (2480 MHz)

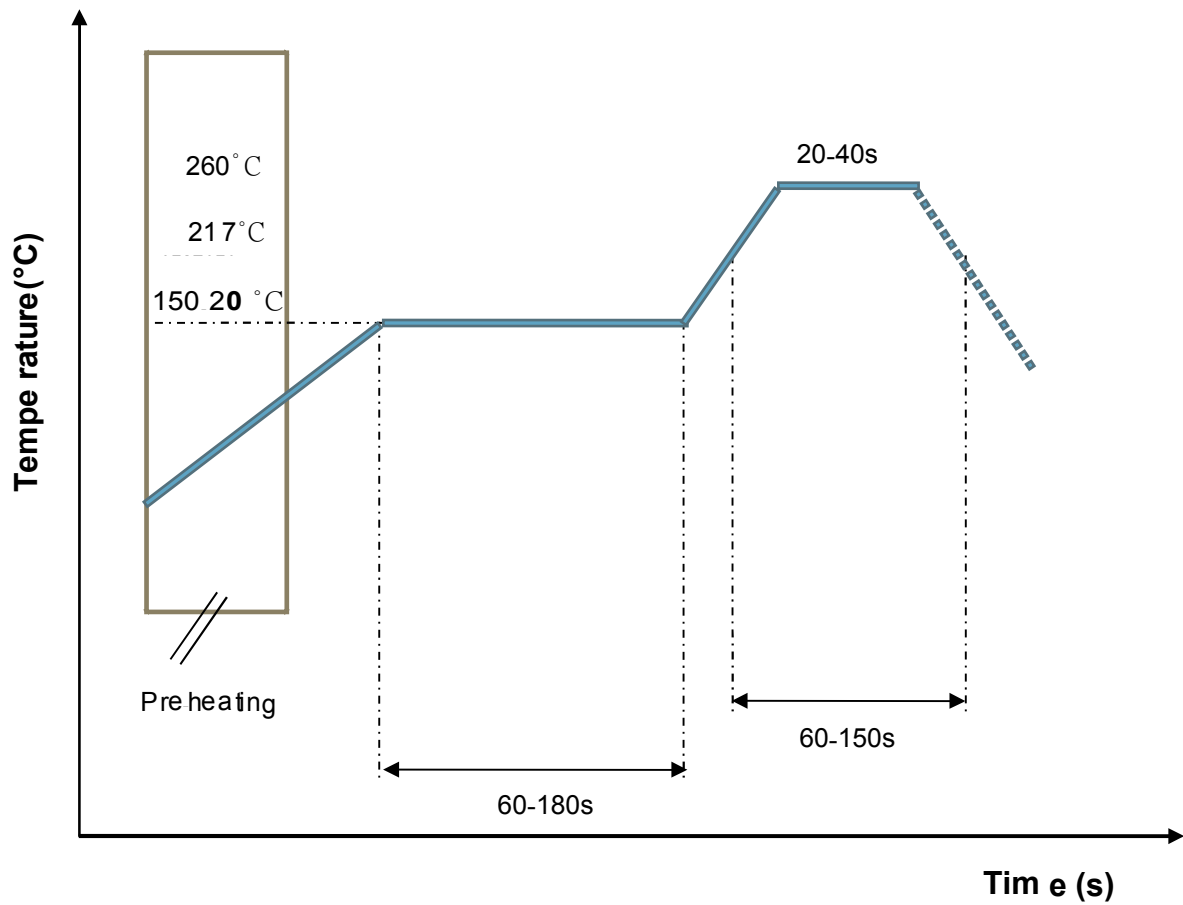


FREQUENCY CHARACTERISTICS

EFFICIENCY AND VSWR

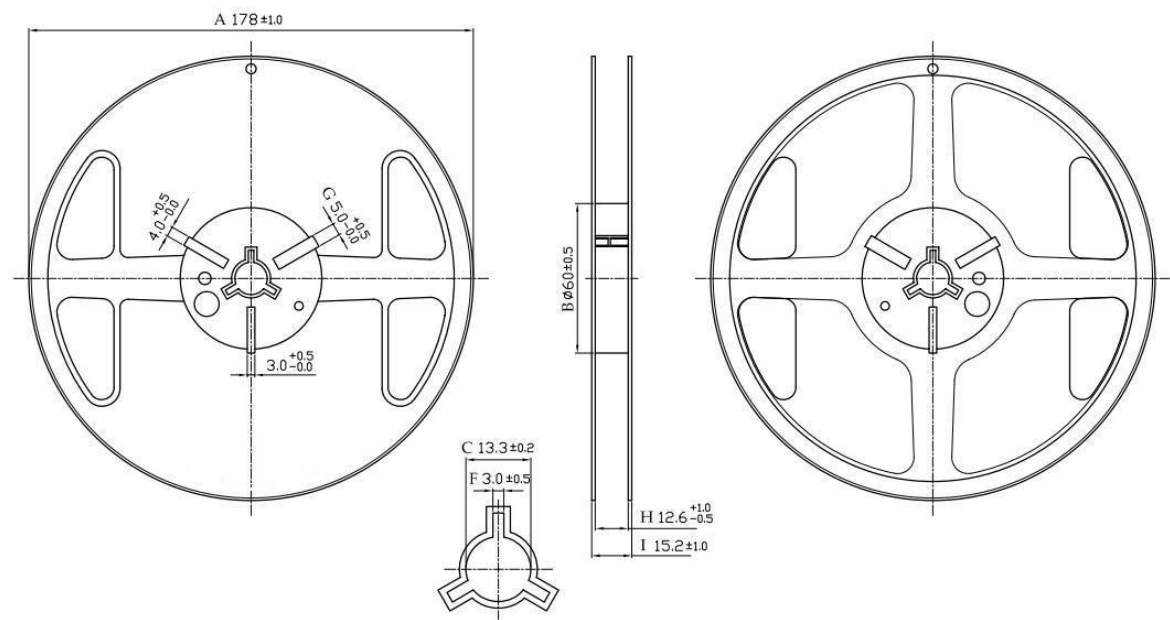


RECOMMENDED REFLOW PROFILE

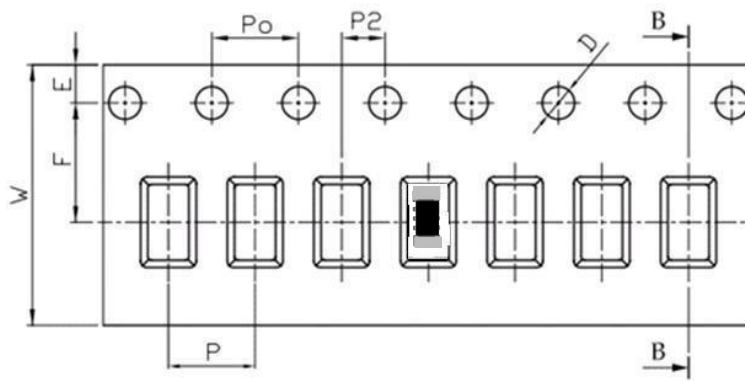


■PACKAGING STYLE

□REEL DIMENSIONS



□TAPE DIMENSIONS



Feature	Specifications	Tolerances
W	8 .00	±0.30
P	4.00	±0.10
E	1.75	±0.10
F	3.50	±0.10
P2	2.00	±0.10
D	1.50	+0.10 -0.00
P0	4.00	±0.10
10P0	40.00	±0.20

Typing Quantity: 5000 pieces per 7” reel