



SMD CERAMIC ANTENNA

Data Sheet

CA-2450-31

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

SMD CERAMIC ANTENNA

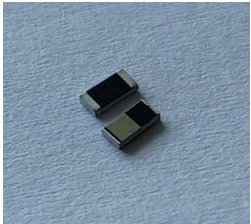
Data Sheet

FEATURES

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

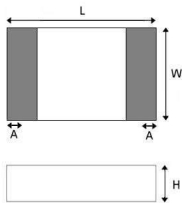
APPLICATIONS

- 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

SMD CERAMIC ANTENNA

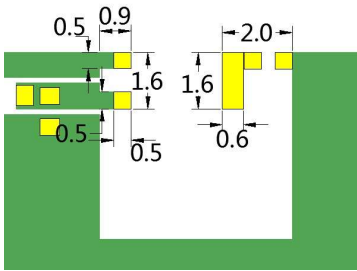
Data Sheet

ELECTRIC SPECIFICATIONS

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

PART NUMBERING SYSTEM

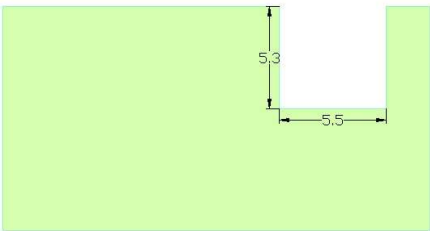
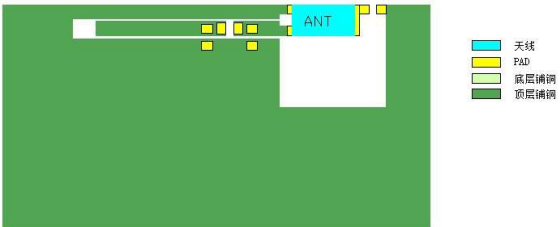
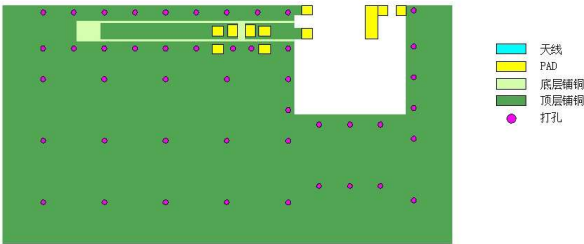
CA - 2450 - 31 - A
Material Frequency Size Type



SMD CERAMIC ANTENNA

Data Sheet

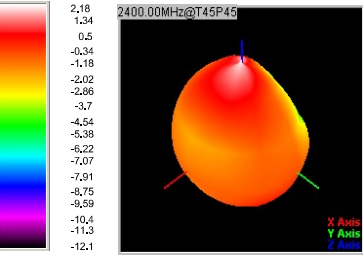
EVALUATION BOARD



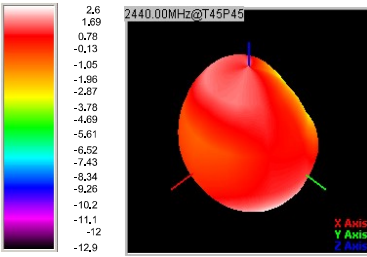
RADIATION PATTERNS

2.4GHz WLAN BAND

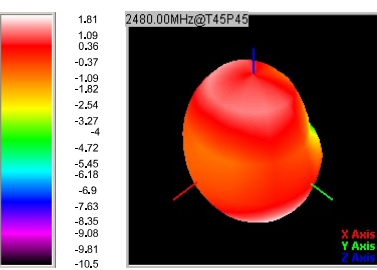
3D Gain Pattern (2400 MHz)



3D Gain Pattern (2440 MHz)

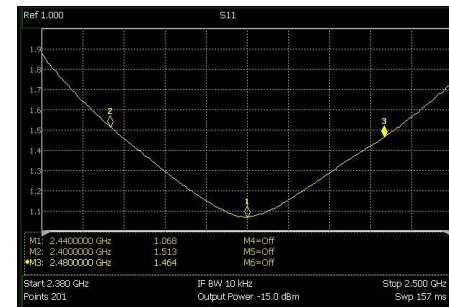
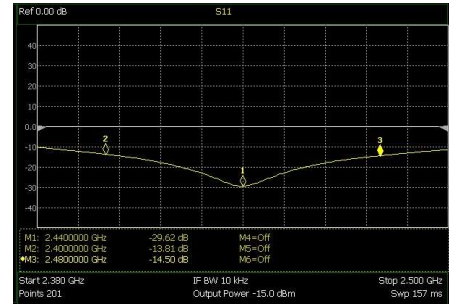


3D Gain Pattern (2480 MHz)

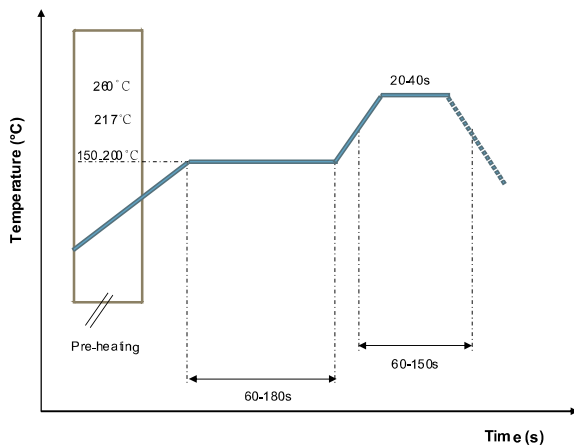


FREQUENCY CHARACTERISTICS

EFFICIENCY AND VSWR

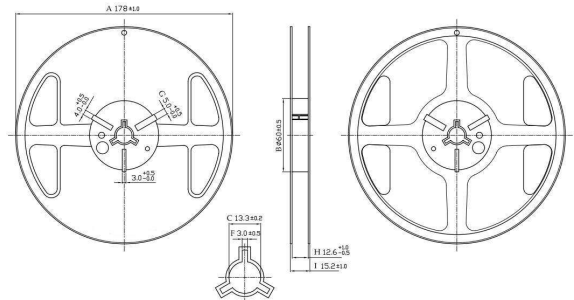


RECOMMENDED REFLOW PROFILE

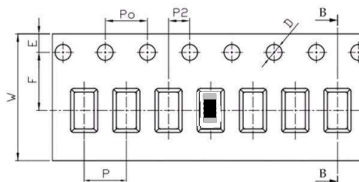


PACKAGING STYLE

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
Po	4.00	±0.10
10Po	40.00	±0.20

Typing Quantity: 5000 pieces per 7" reel



SMD CERAMIC ANTENNA

Data Sheet

CA-2450-31-SE

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

CA-2450-52-SE

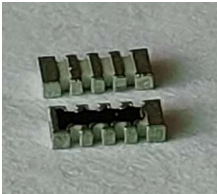
For 2400-2484MHz
5.0x2.5mm [EIA5025]

FEATURES

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

APPLICATIONS

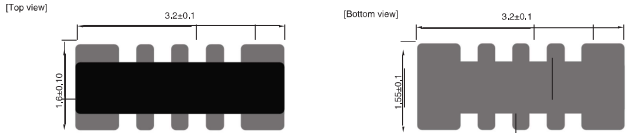
- Bluetooth
- IEEE802.11g/b
- Zigbee systems,etc...



SHAPES AND DIMENSIONS

Dimensions in mm

CA-2450-31-SE

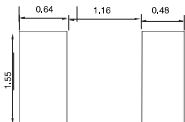


RECOMMENDED LAND PATTERN



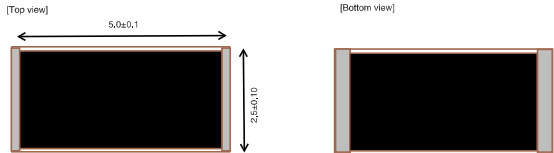
Dimensions in mm

OLDER RESIST PATTERN



Dimensions in mm

CA-2450-52-SE

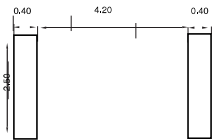


RECOMMENDED LAND PATTERN



Dimensions in mm

OLDER RESIST PATTERN



Dimensions in mm

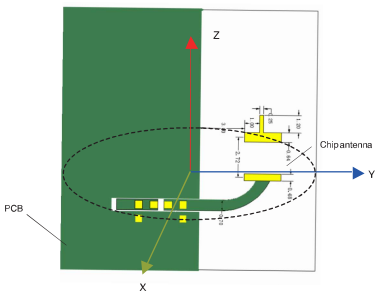
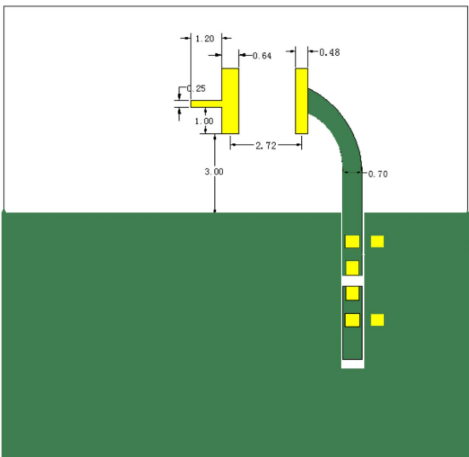
ELECTRIC SPECIFICATIONS

Product type	CA-2450-31-SE CA-2450-52-SE
Center Frequency Range	2450MHZ
Input Impedance	50 Ω

PART NUMBERING SYSTEM

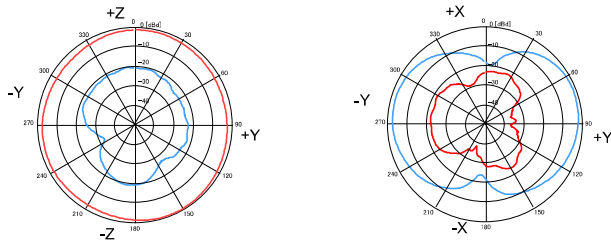
CA - 2450 - 31 / 52 - SE
Material Frequency Size Series

EVALUATION BOARD



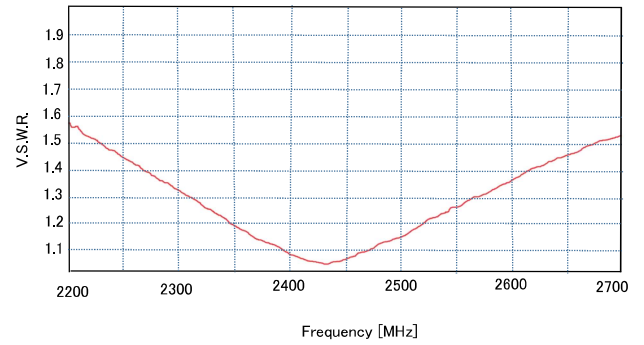
RADIATION PATTERNS

2.4GHz WLAN BAND

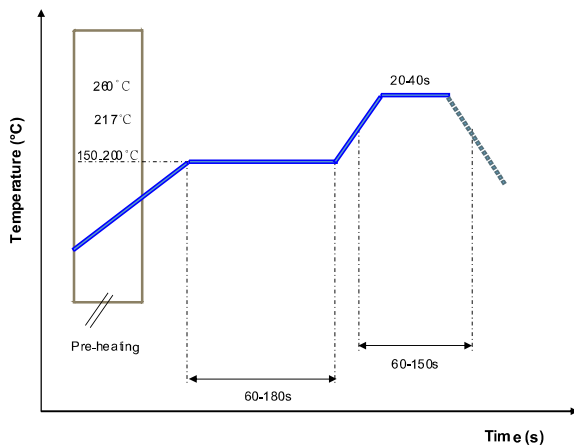


FREQUENCY CHARACTERISTICS

EFFICIENCY AND VSWR

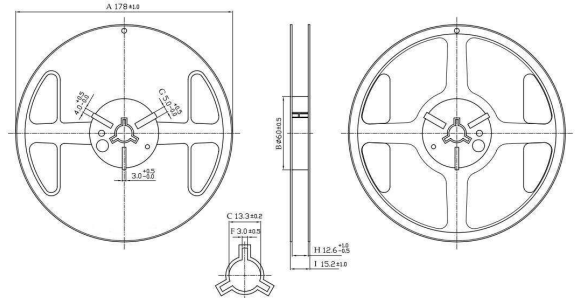


RECOMMENDED REFLOW PROFILE



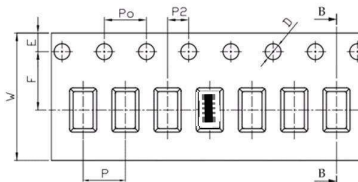
PACKAGING STYLE

REEL DIMENSIONS



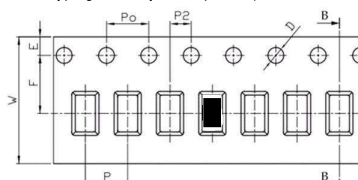
TAPE DIMENSIONS

3216 Typing Quantity: 5000 pieces per 7" reel



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
Po	4.00	±0.10
10Po	40.00	±0.20

5025 Typing Quantity: 4000 pieces per 13" reel



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
Po	4.00	±0.10
10Po	40.00	±0.20