



SMD CERAMIC ANTENNA

Data Sheet

HZ3216WA02

CA-2450-31

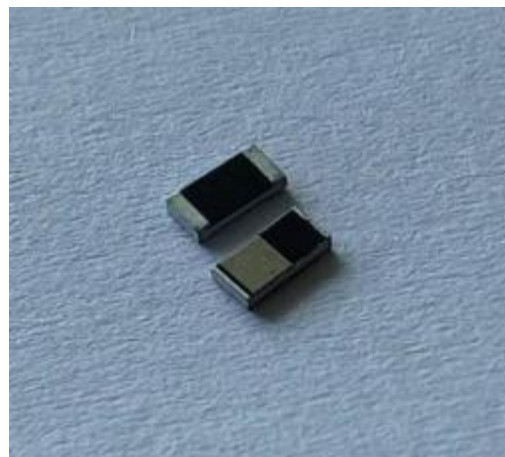
For 2400-2484MHz
3.2x1.6mm [EIA1206]

■ FEATURES

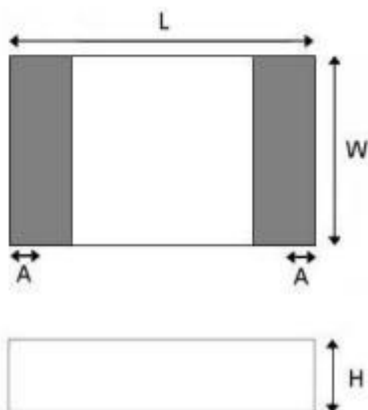
- Light weight,compact
- Wide bandwidth,lowcost
- Built-in antenna with high gain

■ APPLICATIONS

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



■ SHAPES AND DIMENSIONS Dimensions in mm



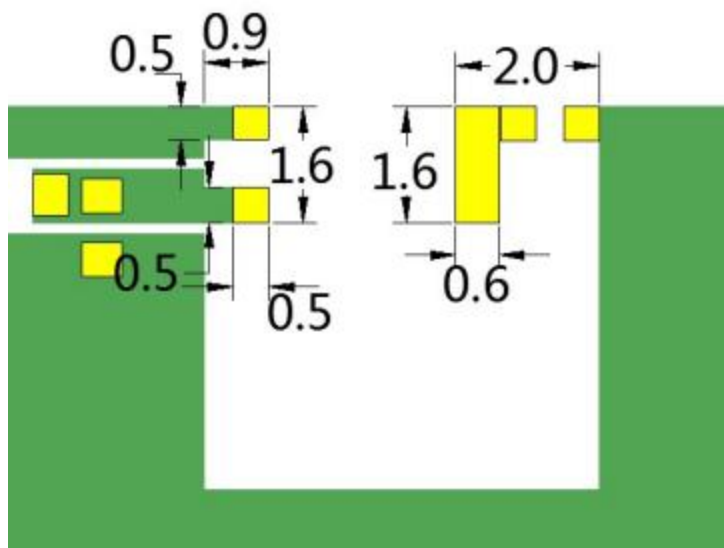
L	W	A	H
3.10±0.10	1.55±0.10	0.40±0.20	0.50±0.10

■ ELECTRIC SPECIFICATIONS

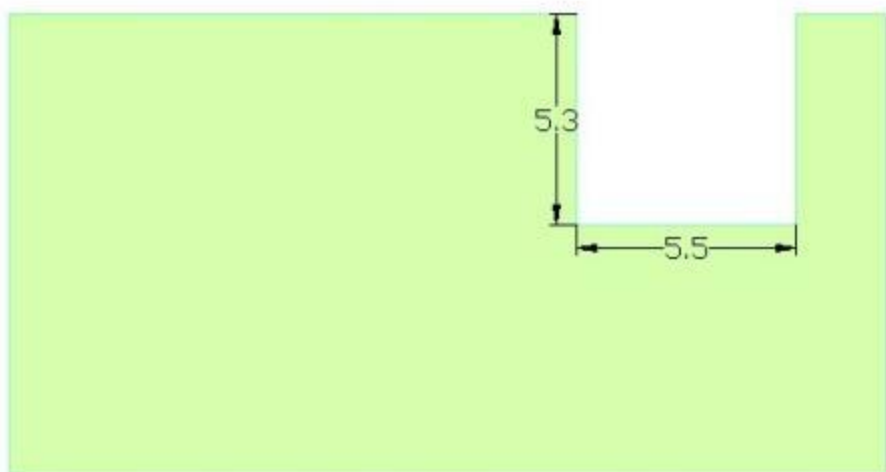
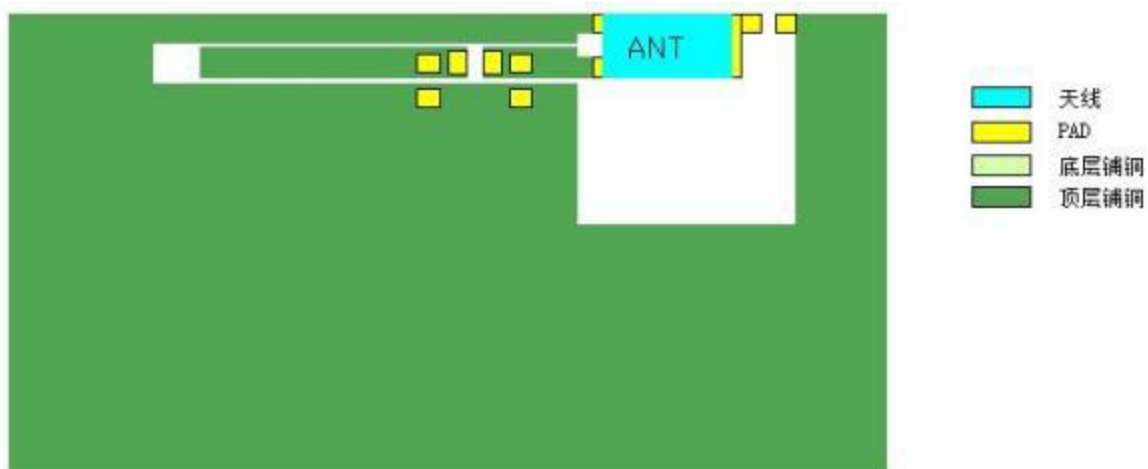
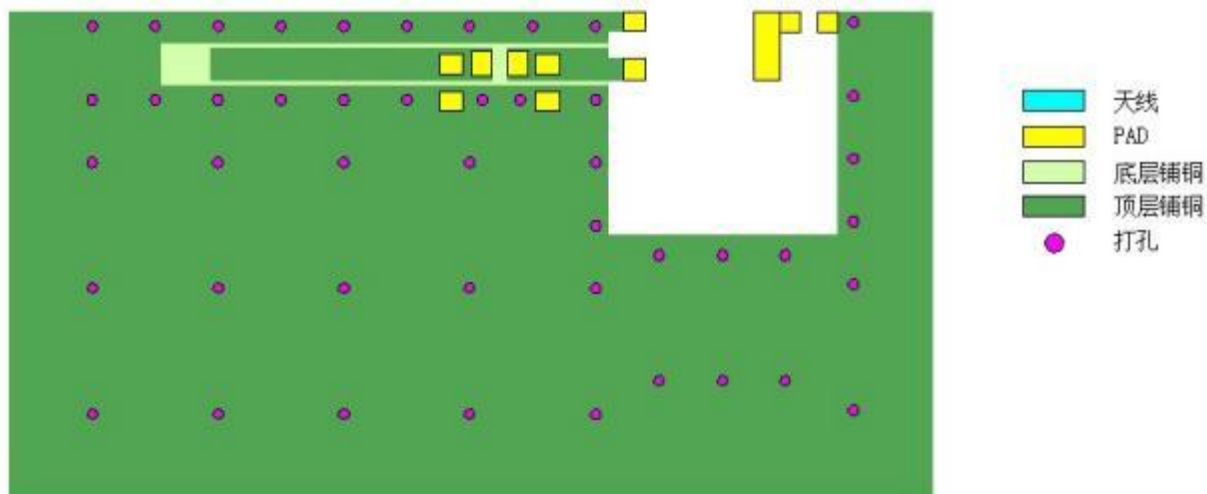
Product type	CA-2450-31
Center Frequency Range	2450MHZ
Input Impedance	50 Ω

■ PART NUMBERING SYSTEM

CA	-	2450	-	31
Material		Frequency		Size



■ EVALUATION BOARD

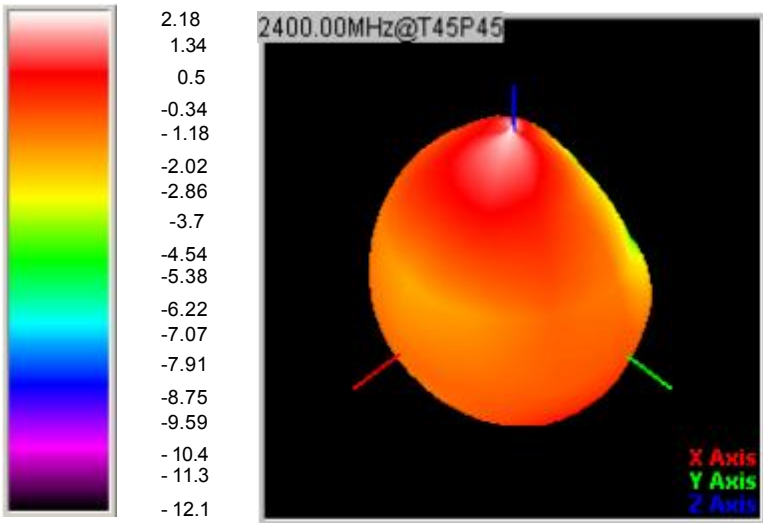




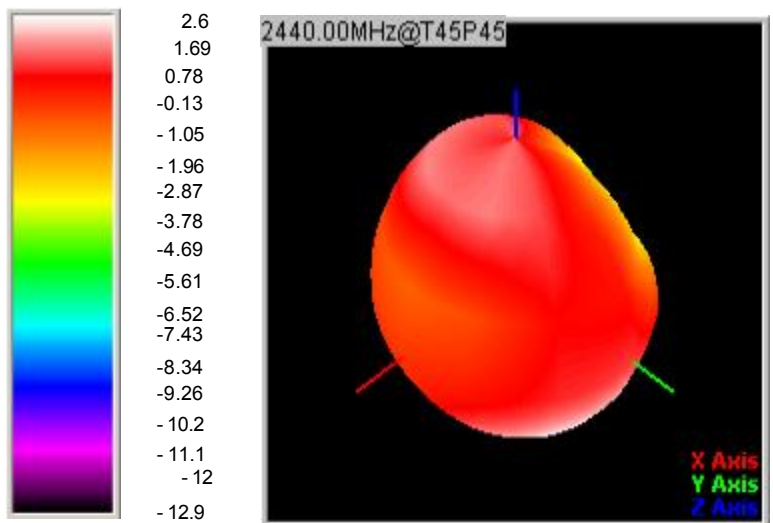
RADIATION PATTERNS

2.4GHz WLAN BAND

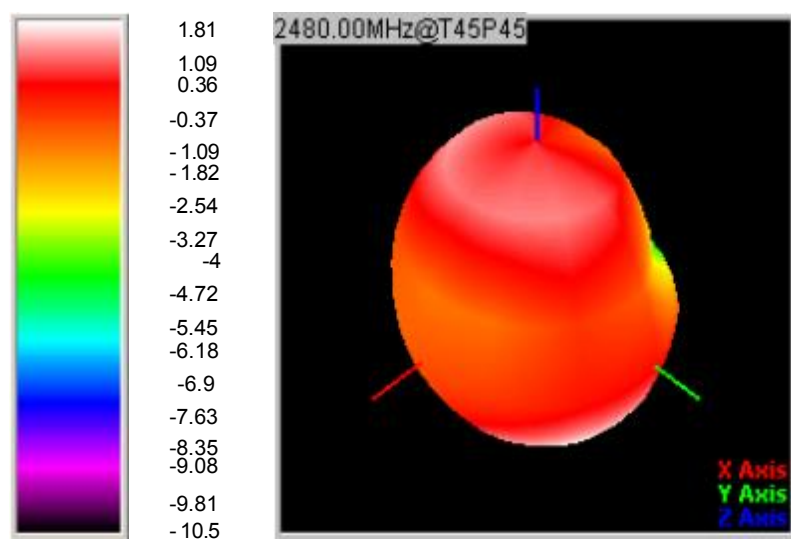
◎ 3D Gain Pattern (2400 MHz)



◎ 3D Gain Pattern (2440 MHz)

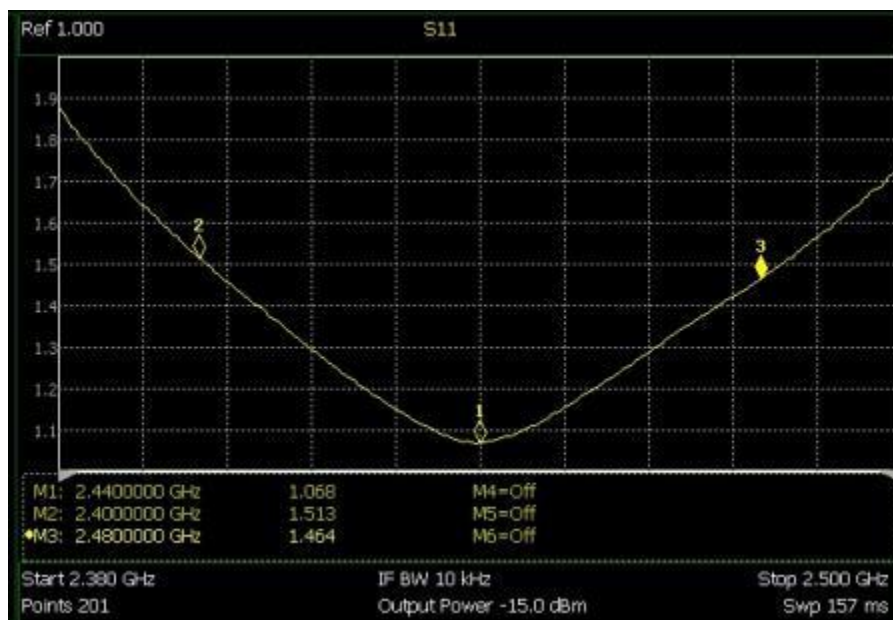
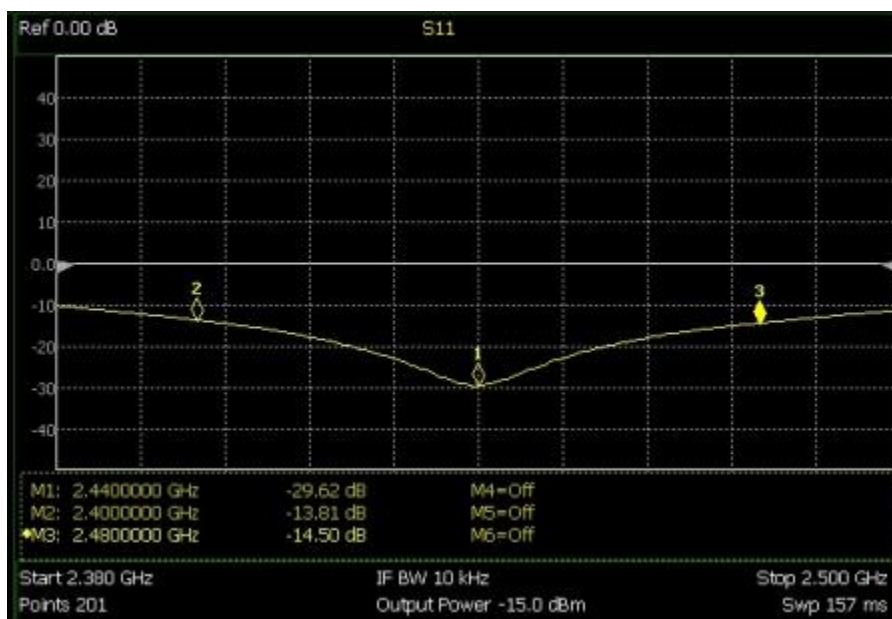


◎ 3D Gain Pattern (2480 MHz)

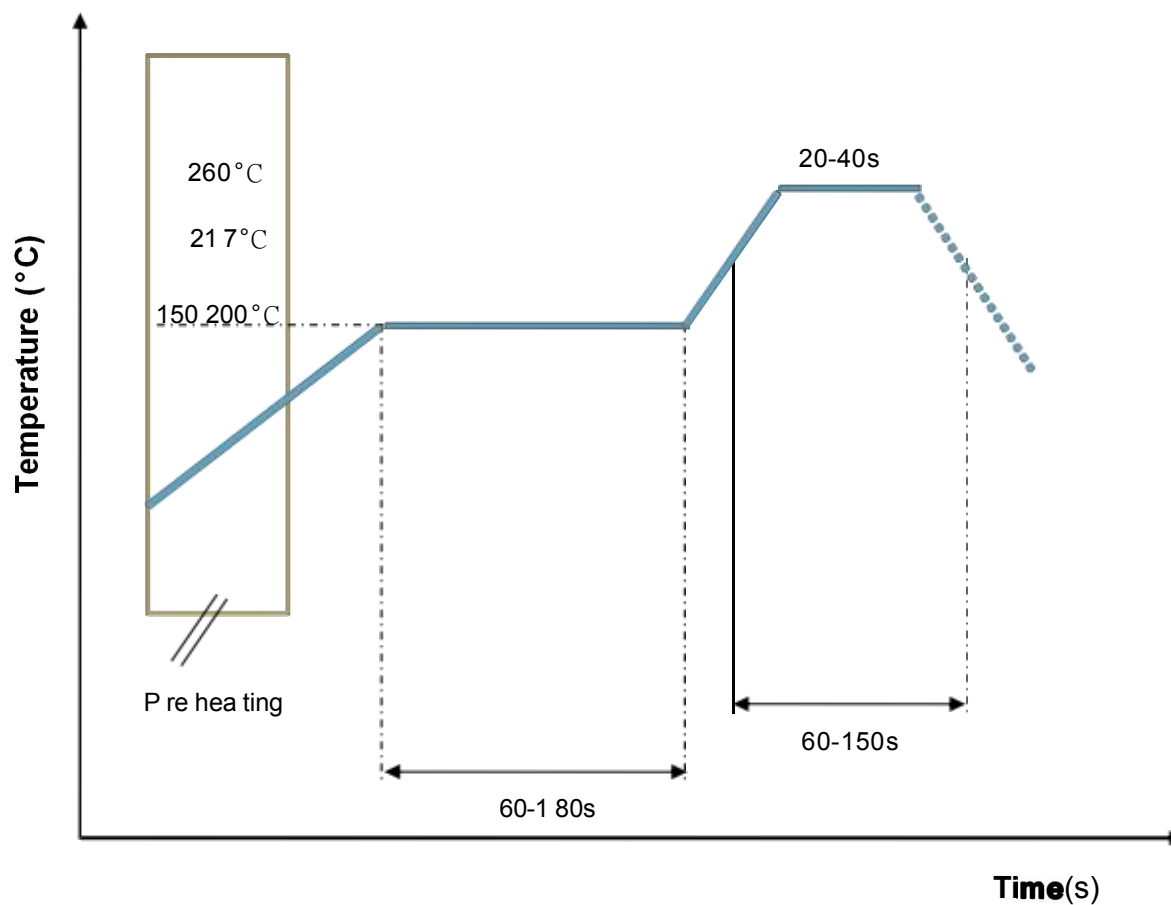


■ FREQUENCY CHARACTERISTICS

□ EFFICIENCY AND VSWR

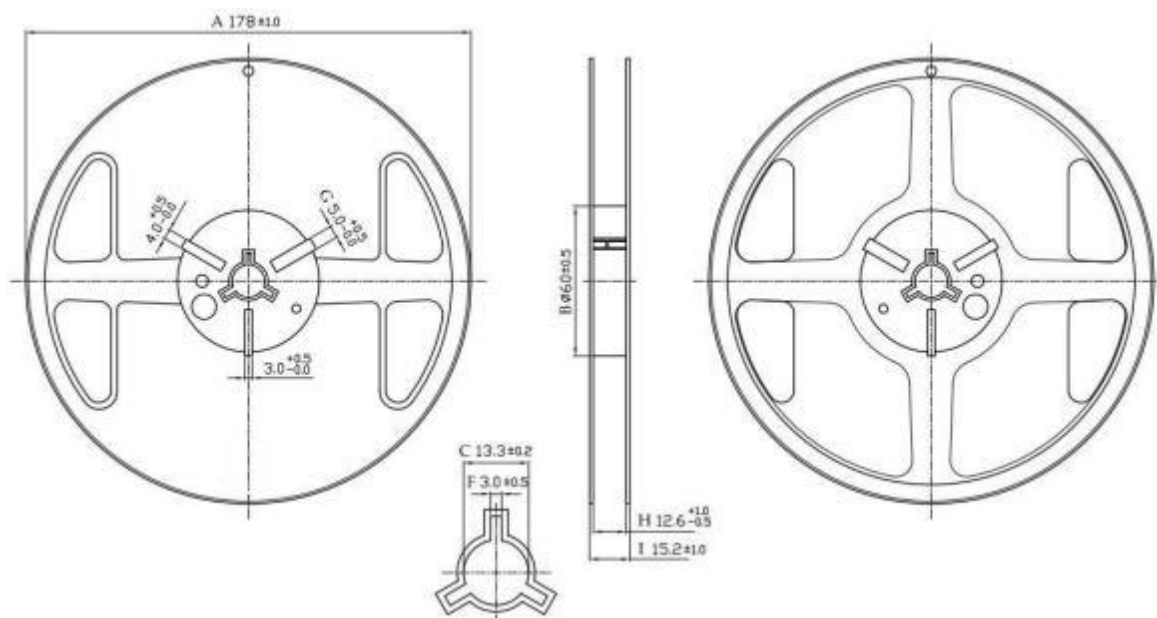


■ RECOMMENDED REFLOW PROFILE

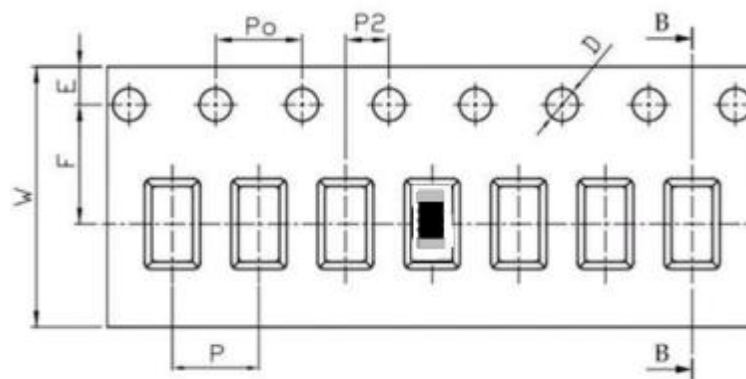


PACKAGING STYLE

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
P ₀	4.00	± 0.10
10P ₀	40.00	± 0.20

Typing Quantity: 5000 pieces per 7" reel

Order Information

Device	Package	Net Weight	Carrier	Quantity	HSF Status
CA-2450-31	3216	0.0089g	Tape& Reel	5000pcs	RoHS compliant

Revision history

Date	Revision	Description of changes
2018- 11-5	1.0	First Version

The contents of this data sheet are subject to change without notice.
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