



# **SMD CERAMIC ANTENNA**

## **Data Sheet**

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**HZ3215WA01**

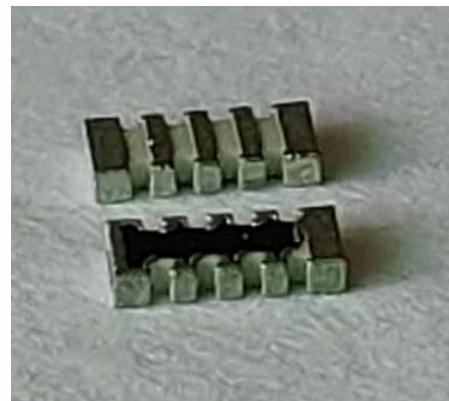
**CA-2450-31-SE**

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

China Zhenhua Group Yunke Electronics Co. Ltd.  
No. 268, North Section of Xintian Avenue,  
Wudang District, Guiyang City, Guizhou  
Province, Annex 1

## ■ FEATURES

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



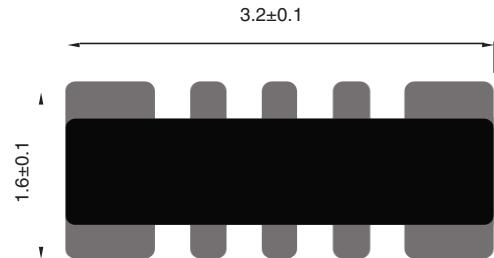
## ■ APPLICATIONS

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

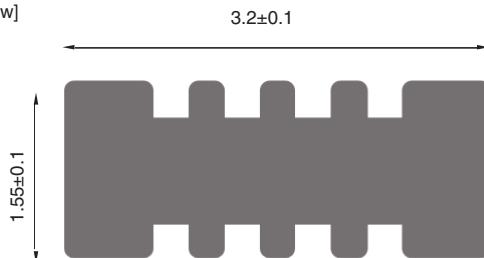
## ■ SHAPES AND DIMENSIONS

Dimensions in mm

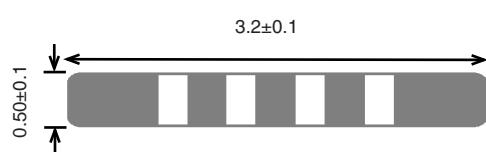
[Top view]



[Bottom view]



[Side view]



## ■ RECOMMENDED LAND PATTERN



Dimensions in mm

## ■ OLDER RESIST PATTERN



Dimensions in mm

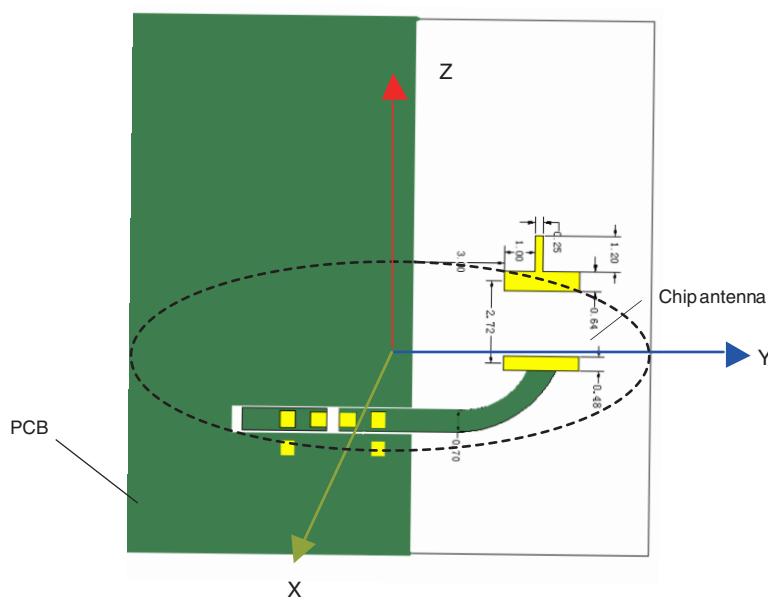
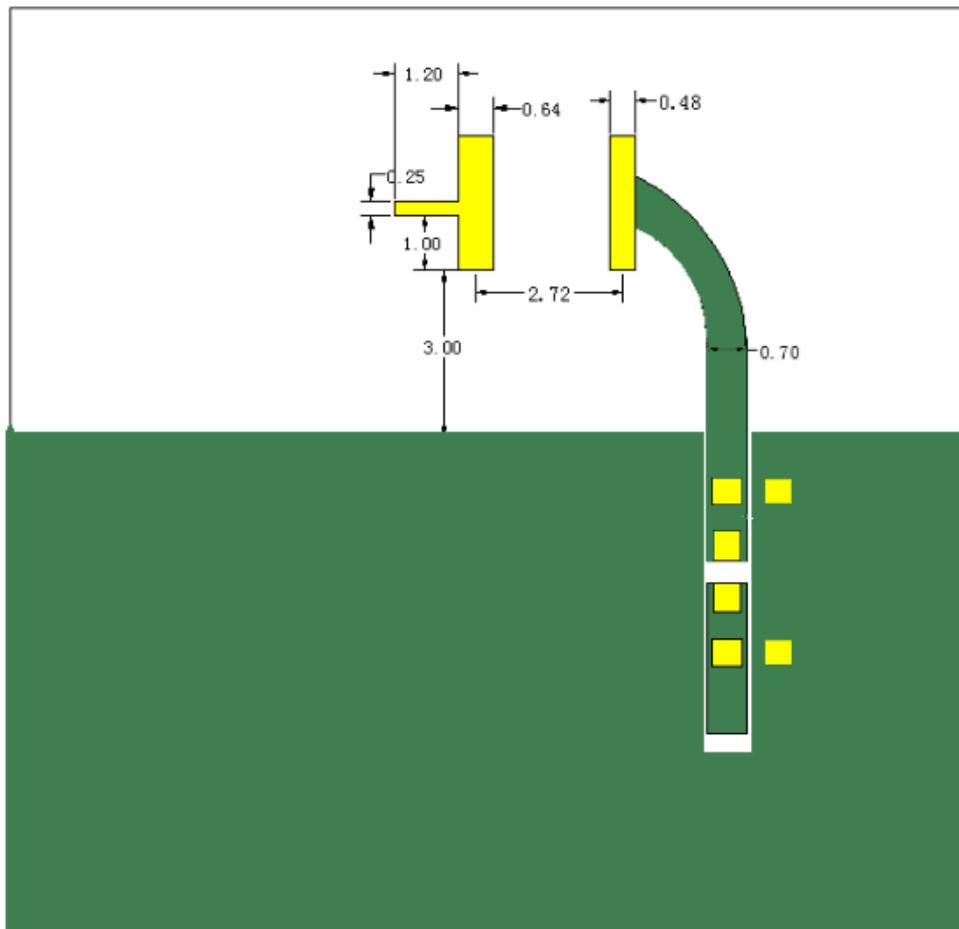
**■ ELECTRIC SPECIFICATIONS**

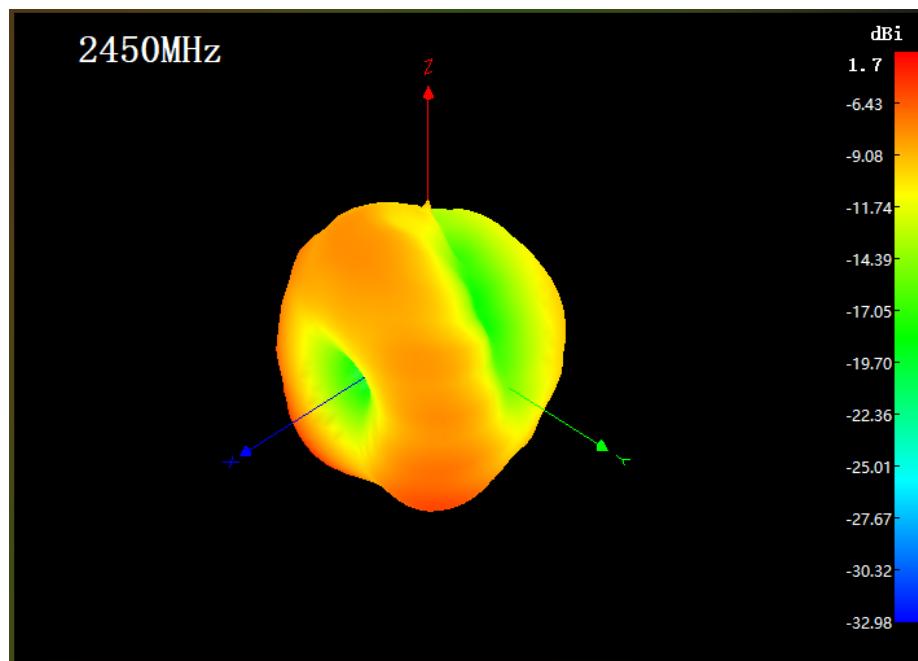
Product type	CA-2450-31-SE
Center Frequency Range	2450MHZ
Peak Gain	1.7dBi
Input Impedance	50 Ω

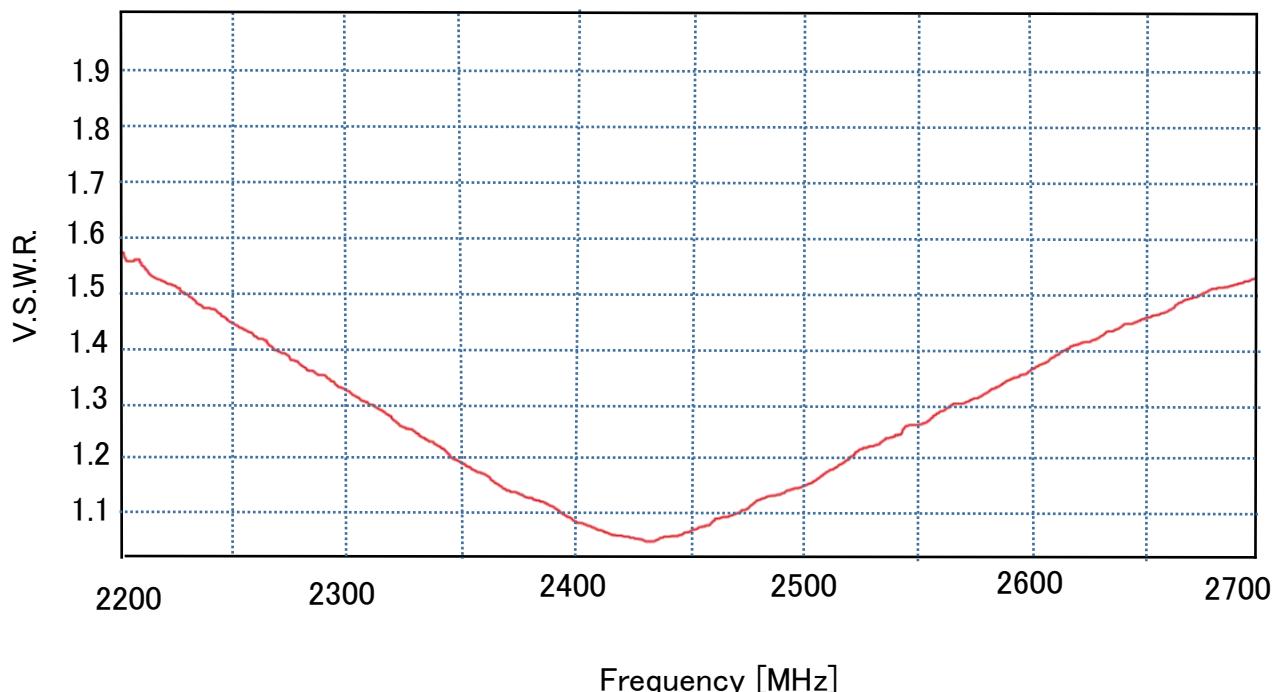
**■ PART NUMBERING SYSTEM**

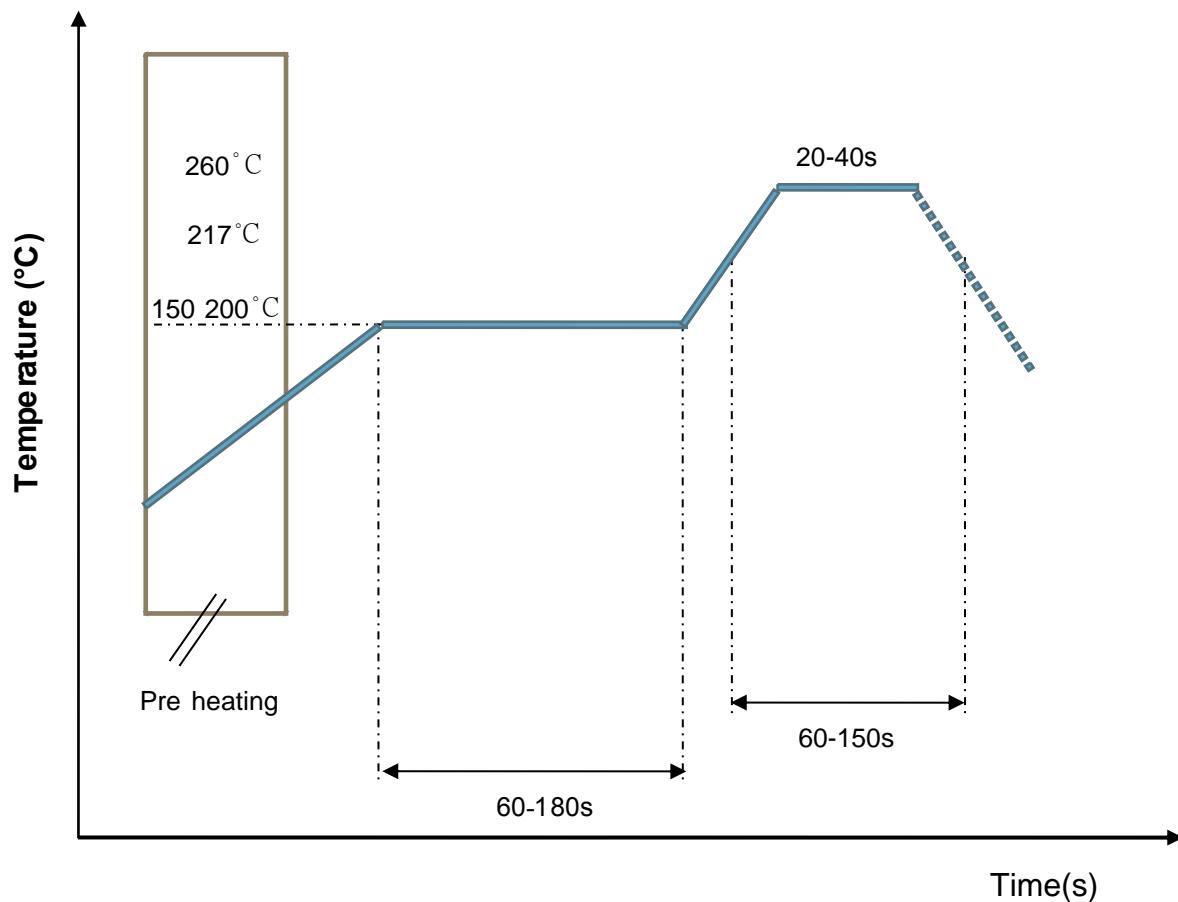
CA - 2450 - 31 - SE

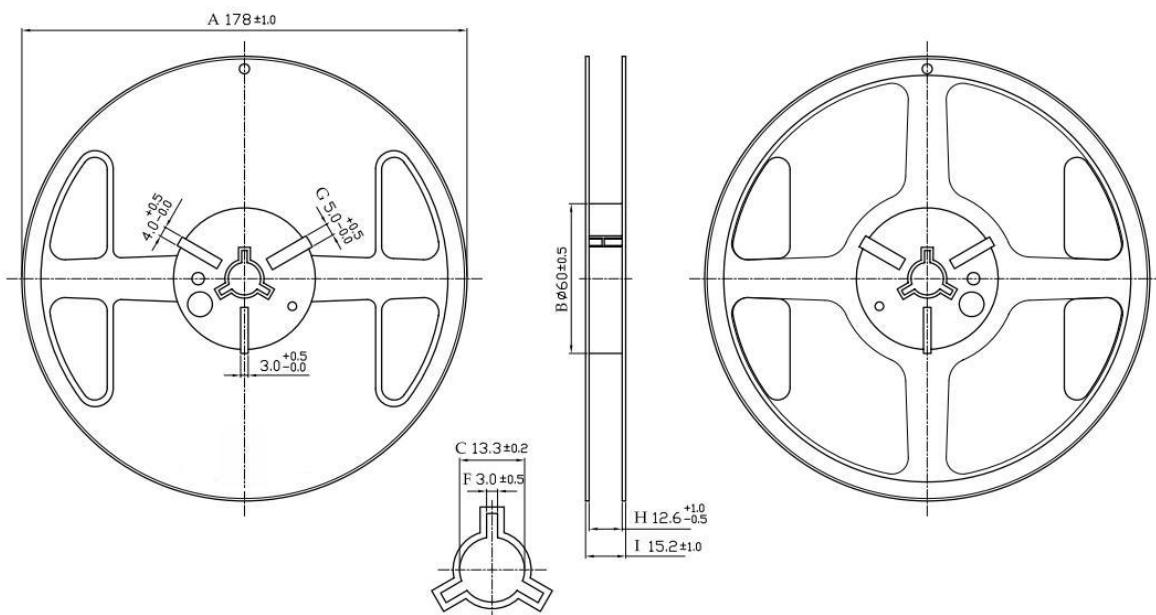
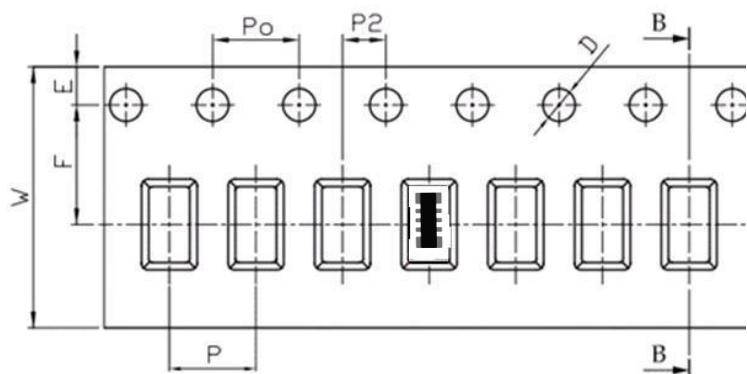
Material                      Frequency                      Size                      Series

**EVALUATION BOARD**

**■ RADIATION PATTERNS** 2.4GHz WLAN BAND

**■ FREQUENCY CHARACTERISTICS****□ EFFICIENCY AND VSWR**

**■ RECOMMENDED REFLOW PROFILE**

**■PACKAGING STYLE**
**□REEL DIMENSIONS**

**□TAPE DIMENSIONS**


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

Typing Quantity: 5000 pieces per 7" reel