

SMD CERAMIC ANTENNA

Data Sheet

CS-2450-31-D

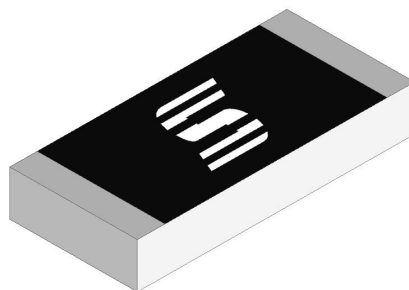
For 2400-2484MHz

3.2x1.6mm [EIA1206]



特征 Feature

- 重量轻, 结构紧凑
Light weight, compact
- 宽带, 低成本
Wide bandwidth, low cost
- 高增益内置天线
Built-in antenna with high gain



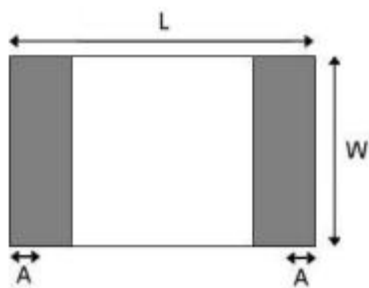
应用 Application

- 蓝牙技术Bluetooth
- WLAN 2.4 GHz IEEE802.11g/b
- Zigbee systems
- 其它etc ...

形状和尺寸(单位: mm)

Shapes And Dimensions

Dimensions in mm



L	W	A	H
3.10±0.10	1.55±0.10	0.40±0.20	0.55±0.10

电气特性 Electrical Characteristics per line(TA=25℃)

参数Parameter	规格Specification	单位Units
频带 Frequency Band	2400~2483	MHz
极化 Polarization	线极化	
*最大增益 Peak Gain	2.58	dBi
*效率 Efficiency	72.30	%
阻抗 Impedance	50	Ω

■ 编码 Part Numbering System

CS

Material

2450

Frequency

31

Size

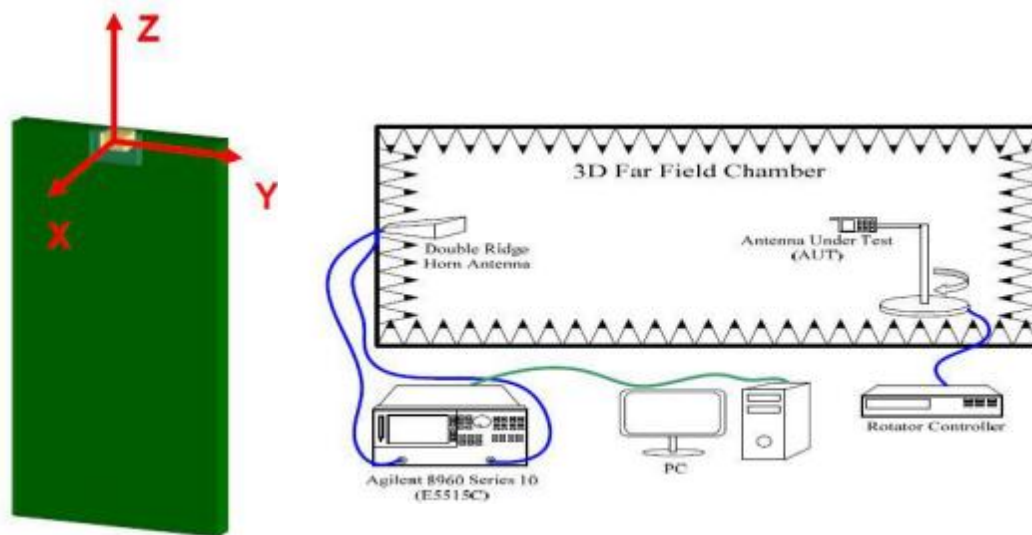
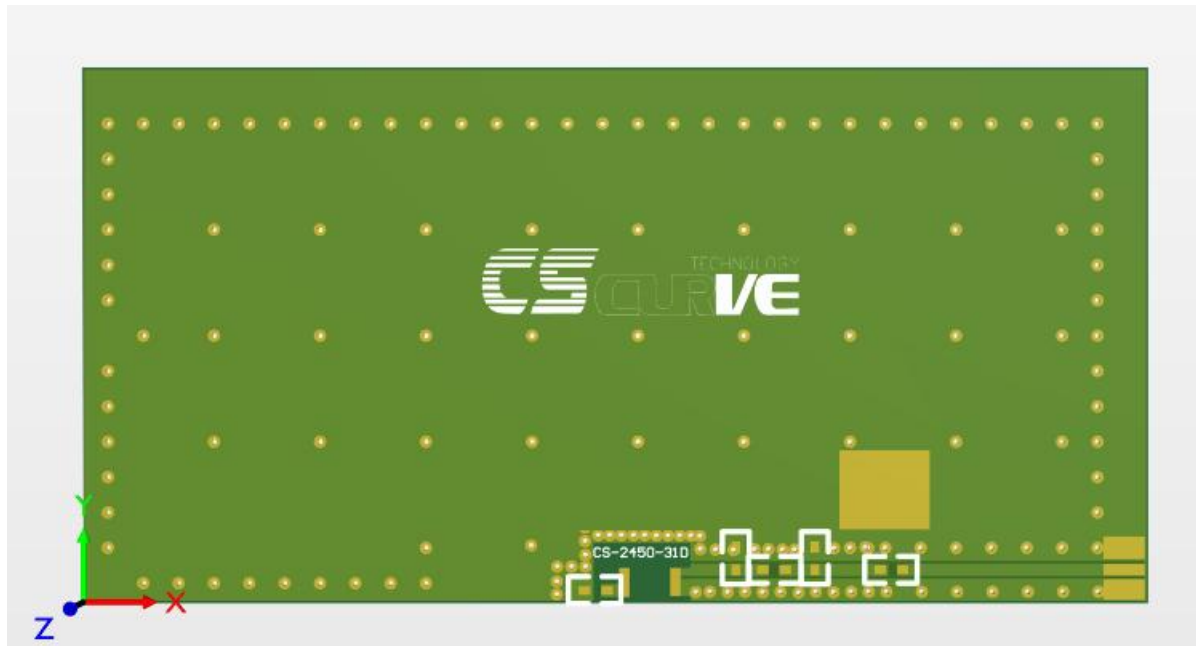
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Type

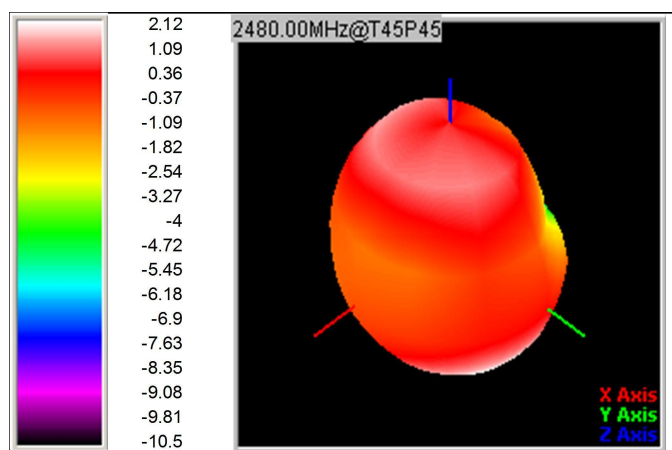
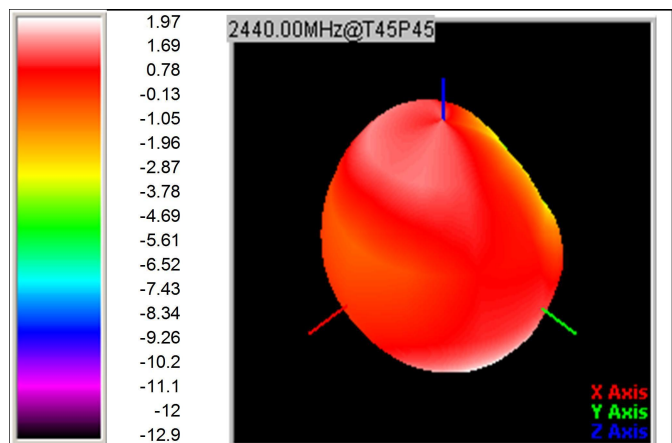
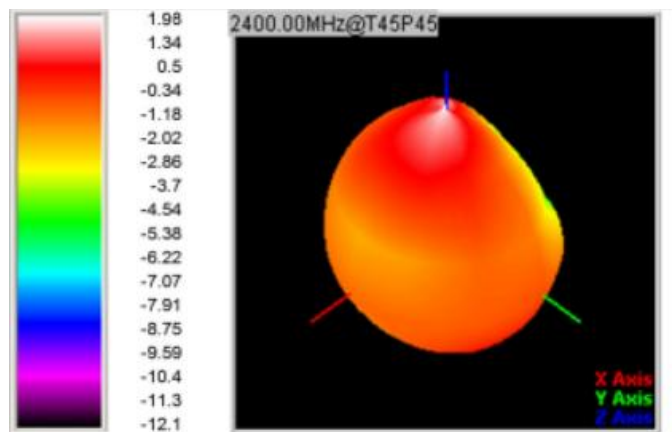
■ 丝印 Marking



■ 评价板 Evaluation Board (3CM*6CM)



■ 增益&效率 Gain Pattern&Efficiency



Clearance 5mm*5mm		
Frequency	Efficiency	Gain
2400	67.25	1.98
2410	66.93	1.89
2420	66.76	1.92
2430	67.13	1.95
2440	67.28	1.97
2450	68.86	2.08
2460	68.8	2.15
2470	69.23	2.22
2480	68.57	2.12
2490	67.9	2.04
2500	65.88	1.9

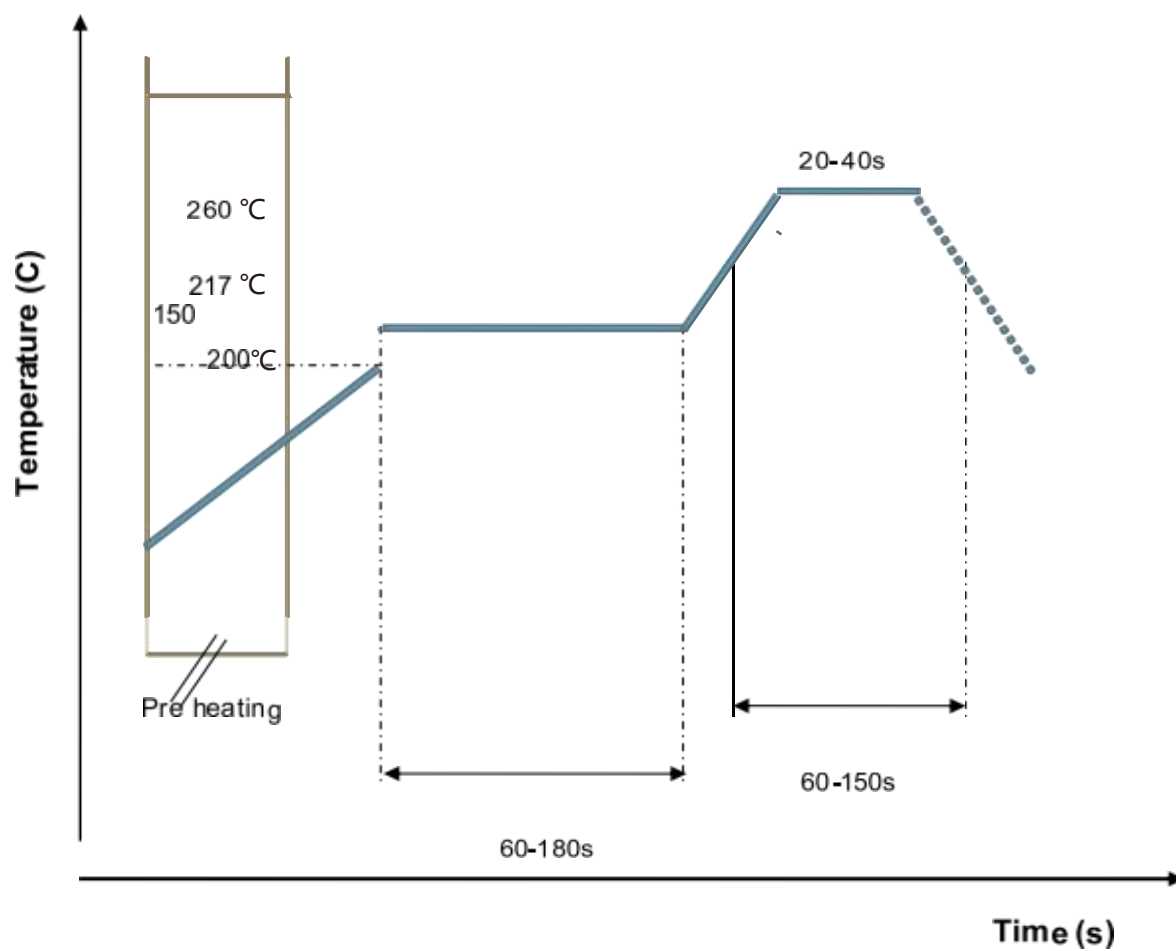
Clearance 5mm*3mm		
Frequency	Efficiency	Gain
2400	44.11	-0.48
2410	46.32	-0.07
2420	48.36	0.22
2430	50.18	0.38
2440	51.16	0.36
2450	52.15	0.3
2460	51.75	0.13
2470	50.84	0.12
2480	48.38	-0.21
2490	45.86	-0.51
2500	42.13	-0.95

■ 频率特性 FREQUENCY CHARACTERISTICS



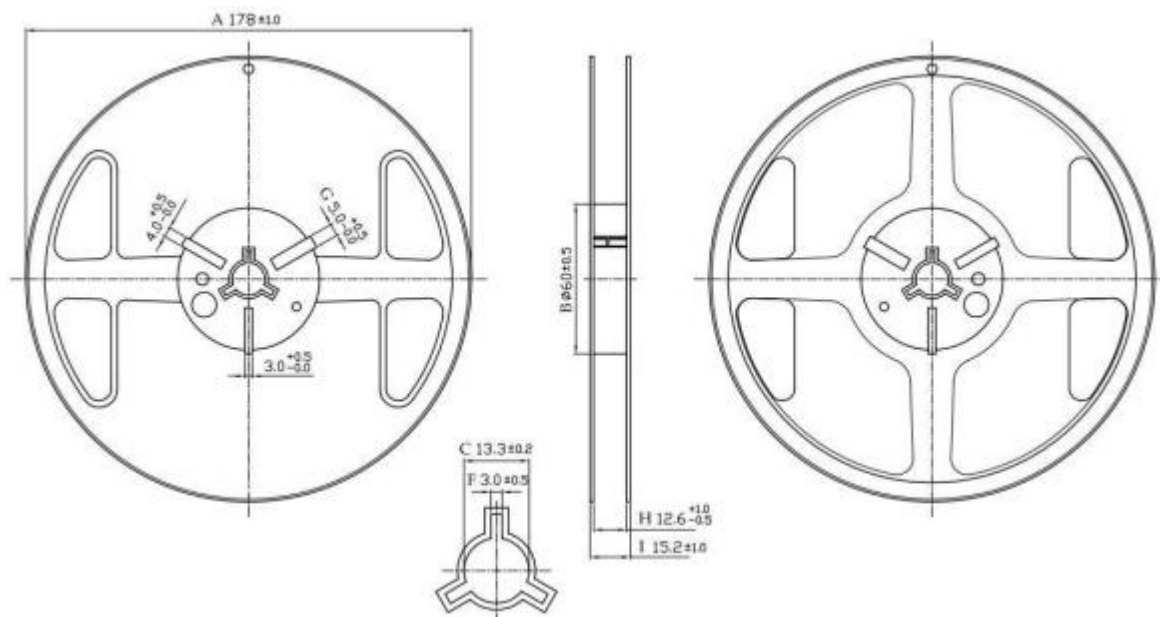
■ 推荐回流剖面

RECOMMENDED REFLOW PROFILE

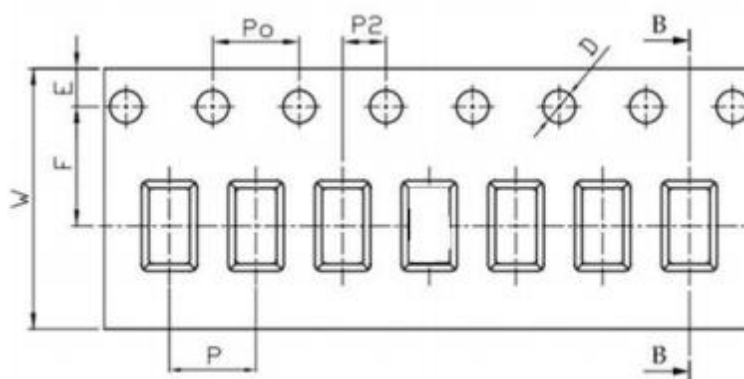


■ 包装形式 Packaging Style

□ REEL DIMENSIONS



□ 胶带尺寸 TAPE DIMENSIONS



Feature	Specications	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

数量 Quantity: 5000 pieces per 7 reel

订货信息 Order Information

设备 Device	包装 Package	净重 Net Weight	运送方式 Carrier	数量 Quantity	认证 HSF Status
CS-2450-31-D	3216	0.0089g	Tape&Reel	5000pcs	RoHS compliant

版本信息 Revision history

日期/Date	版本号/Revision	版本描述/Description of changes
2023-03-09	V1.0	First Version

The contents of this data sheet are subject to change without notice.
Please confirm the specifications and delivery conditions when placing your order.

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