SMD CERAMIC ANTENNA
Data Sheet

CS-2450-31-L

For 2400-2484MHz

3.2x1.6mm [EIA1206]

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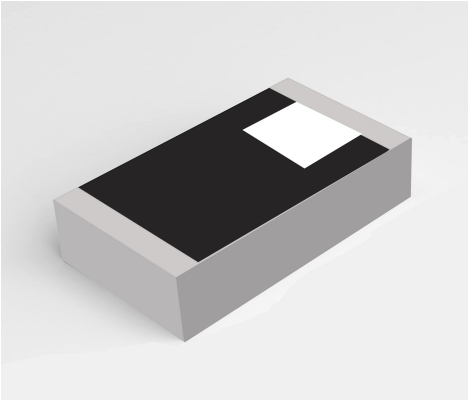
Feature

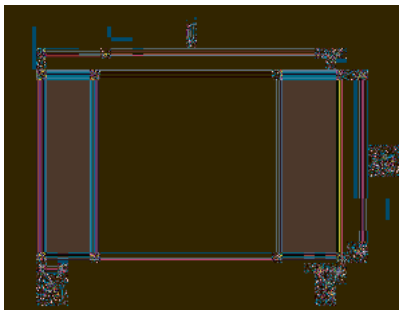
- Light weight, compact
- Wide bandwidth, low cost
- Built-in antenna with high gain



Application

- 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	0.55±0.1

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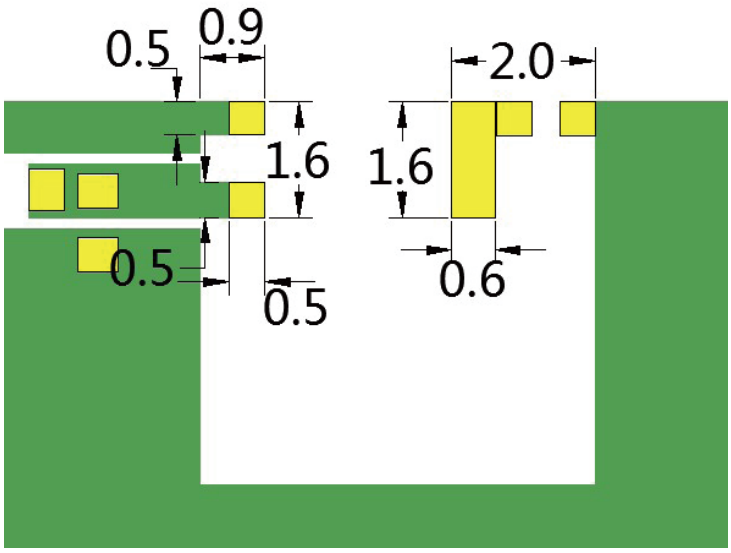
Electrical Characteristics per line(TA=25℃)

Parameter	Specification	Units
Frequency Band	2400~2483	MHz
Polarization	Line	
*Peak Gain	2.67	dBi
*Efficiency	72.30	%
Impendance	50	Ω

■ Part Numbering System

CS	-	2450	-	31	-	L
Material		Frequency		Size		Type



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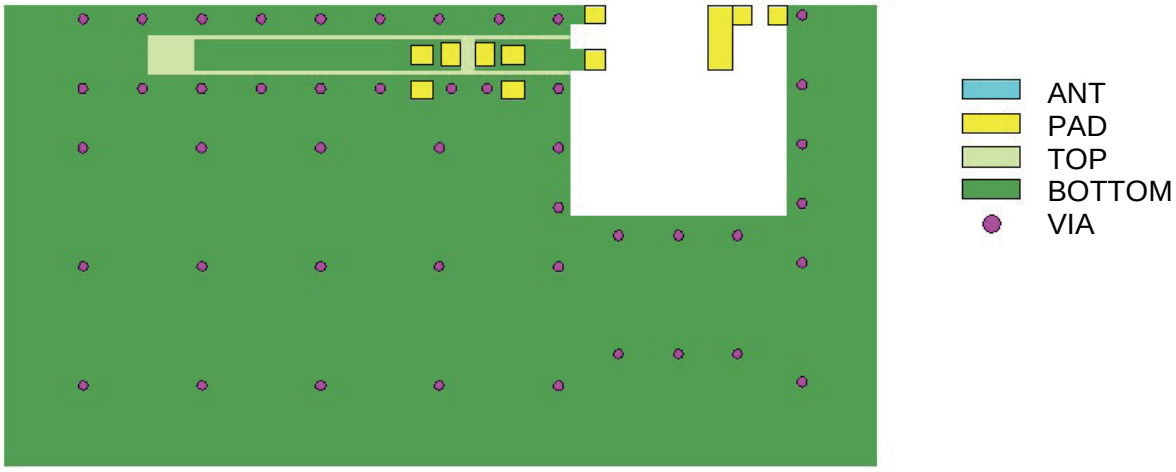
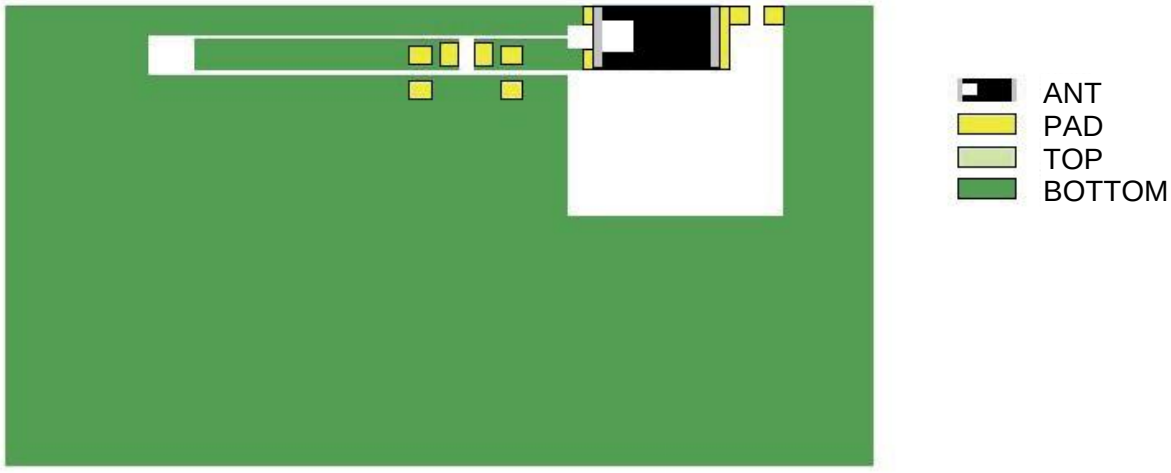
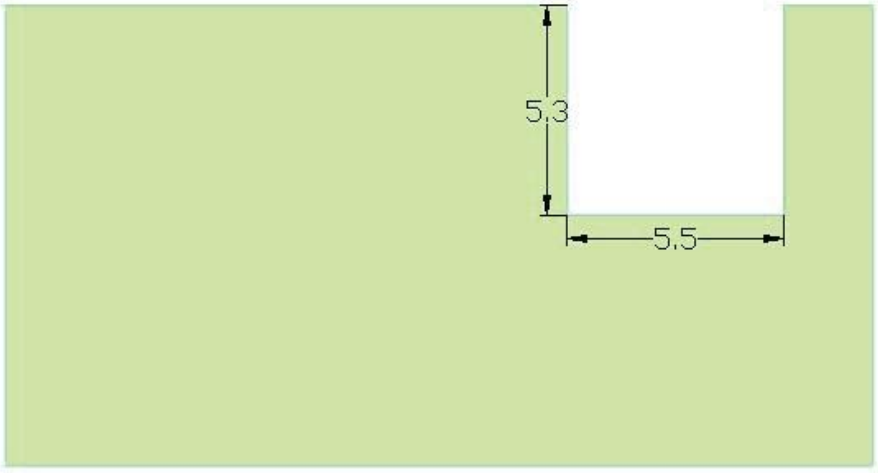
Evaluation Board







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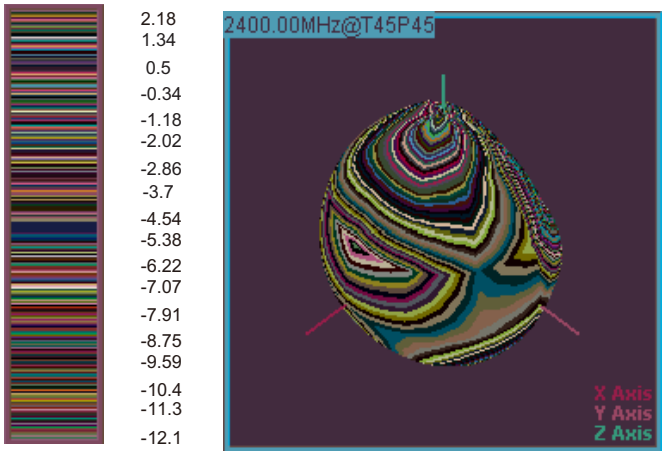
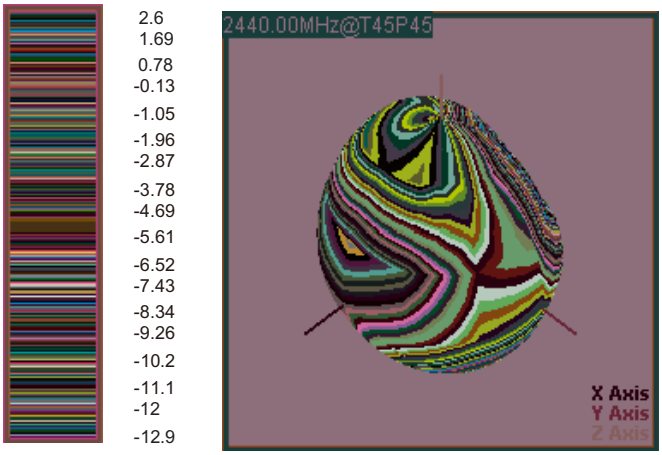
Radiation Patterns

□ 2.4GHz WLAN BAND

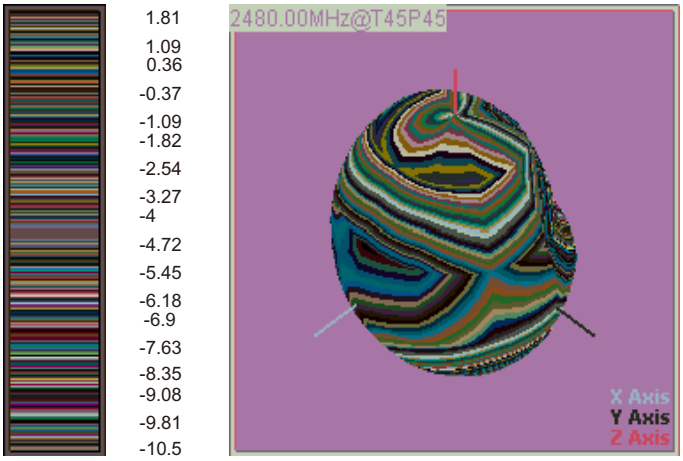
◎ 3D Gain Pattern (2400 MHz)



◎ 3D Gain Pattern (2440 MHz)



◎ 3D Gain Pattern (2480 MHz)



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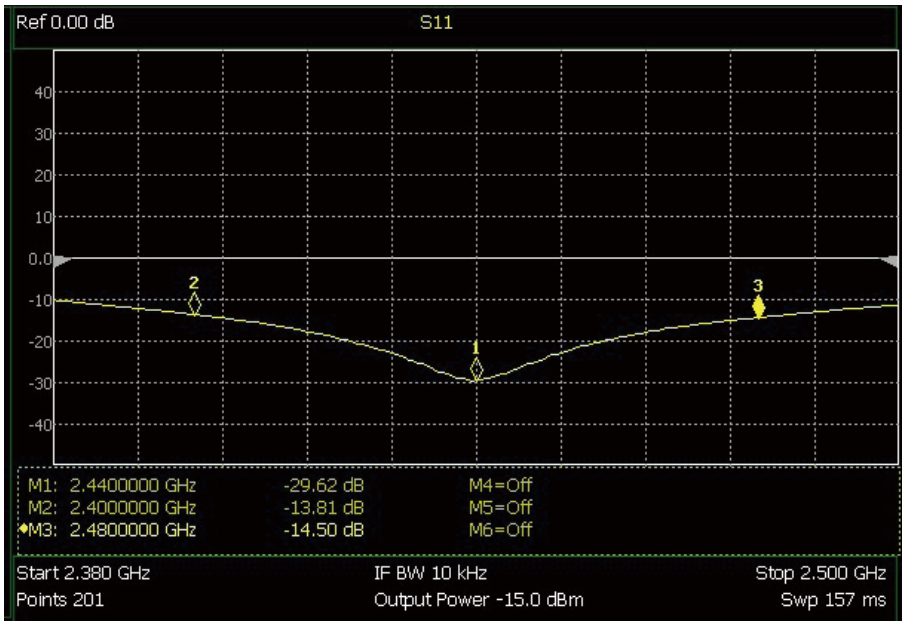
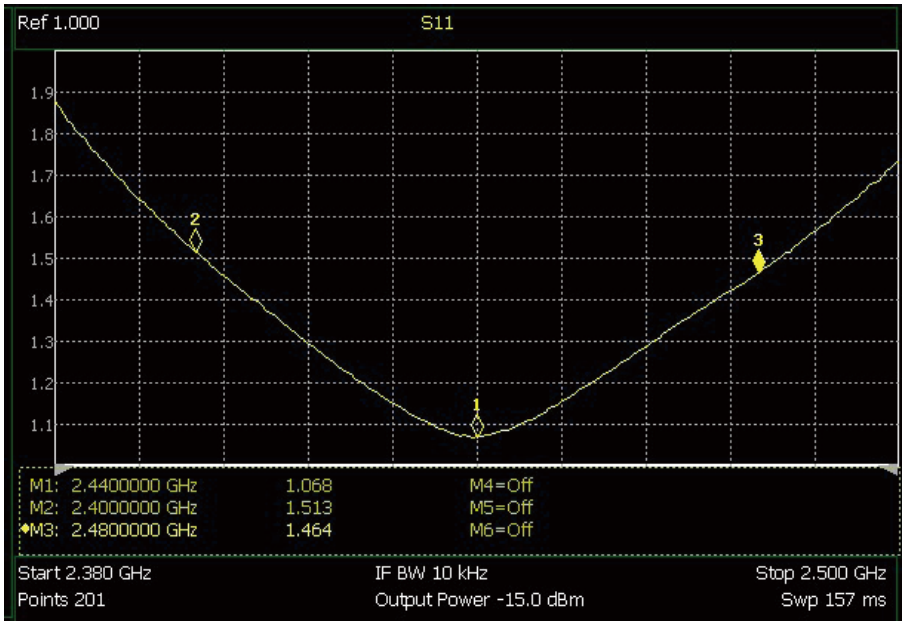
■ Frequency Characteristics

□ EFFICIENCY AND VSWR





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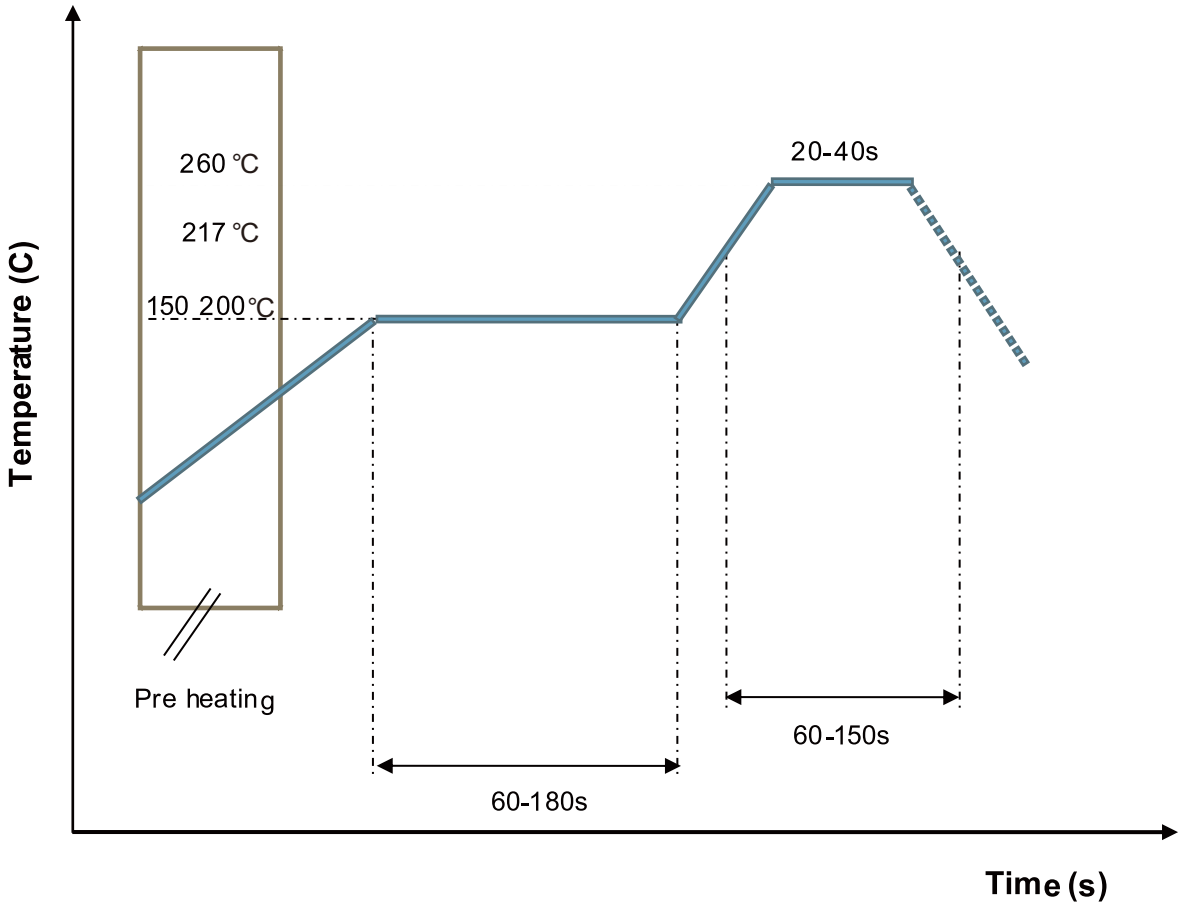
RECOMMENDED REFLOW PROFILE



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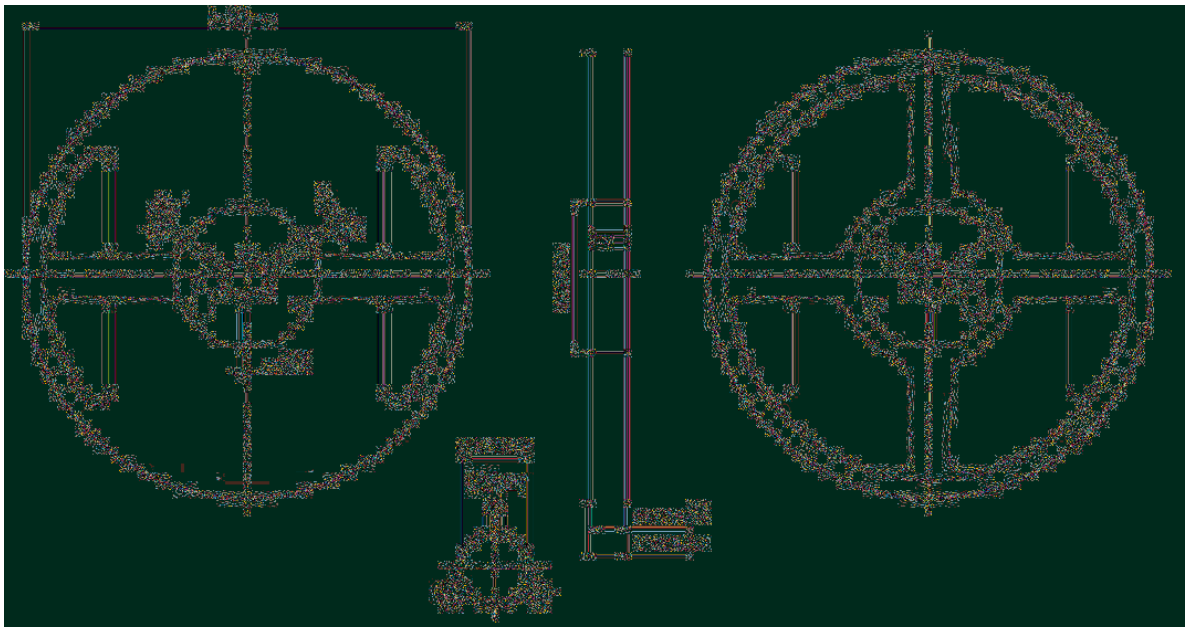
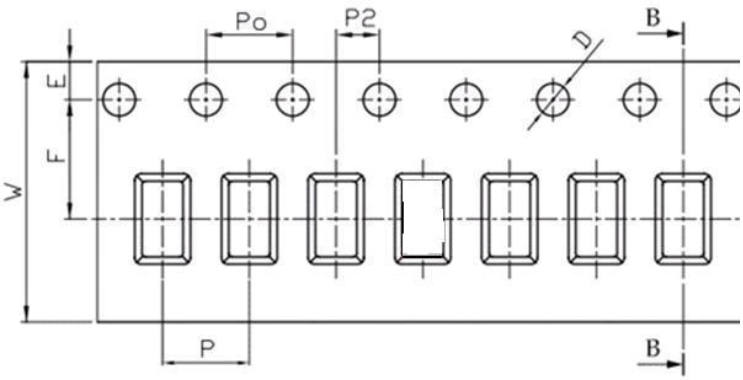
■ Packaging Style

□ REEL DIMENSIONS



□ TAPE DIMEN SIONS



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

Quantity:5000pieces per 7 reel

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