SMD CERAMIC ANTENNA
Data Sheet

CS-2450-31-L

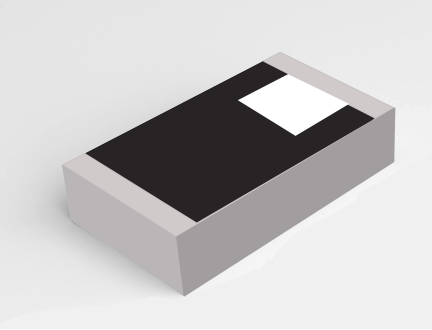
For 2400-2500MHz

3.2x1.6mm [EIA1206]

CS TECHNOLOGY, INC.
SUITE #200 PARK 80 WEST, PLAZA II SADDLEBROOK, NJ 07762, USA

特征 Feature

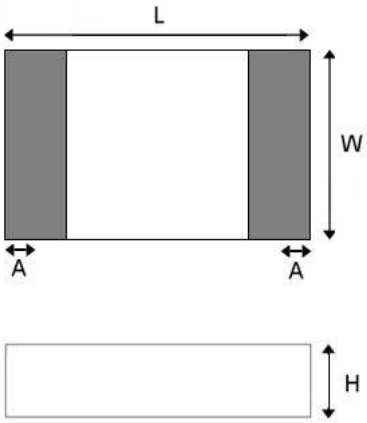
- 重量轻，结构紧凑
  Light weight, compact
- 宽带大，低成本
  Wide bandwidth, low cost
- 高增益内置天线
  Built-in antenna with high gain



应用 Application

- 蓝牙技术Bluetooth
  2.4GHz频段 IEEE802.11g/b
- 齐格比系统
  Zigbee systems
- 其它etc...

形状和尺寸(单位: mm)
Shapes And Dimensions Dimensions in mm



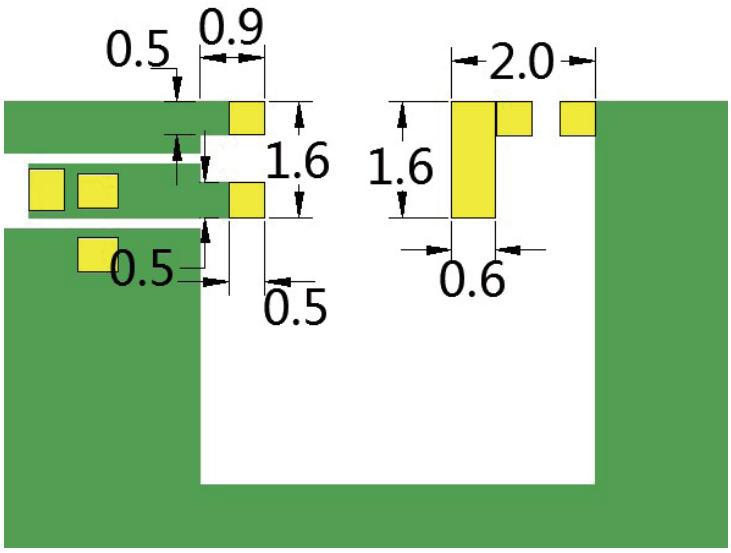
L	W	A	H
3.10±0.10	1.55±0.10	0.40±0.20	0.55±0.1

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	1.34	dBi
*效率 Efficiency	72.30	%
阻抗 Impendance	50	Ω

■ 编码 Part Numbering System

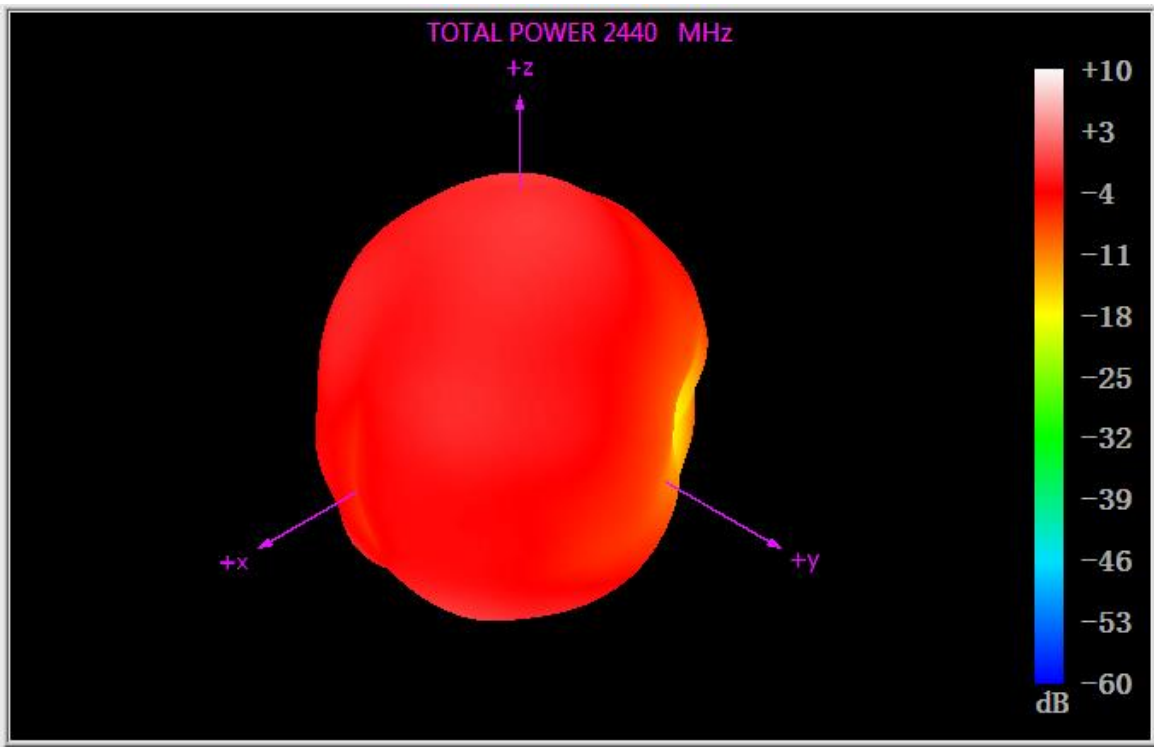
CS	-	2450	-	31	-	L
Material		Frequency		Size		Type



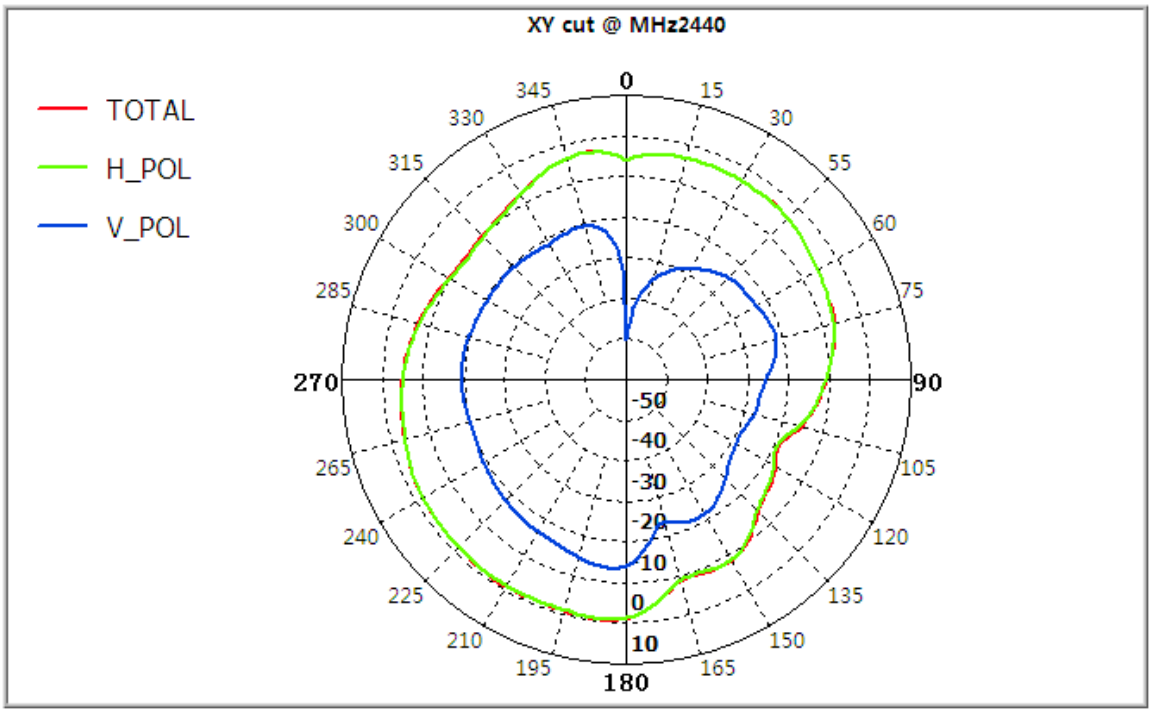
2.1.2. Efficiency and Gain

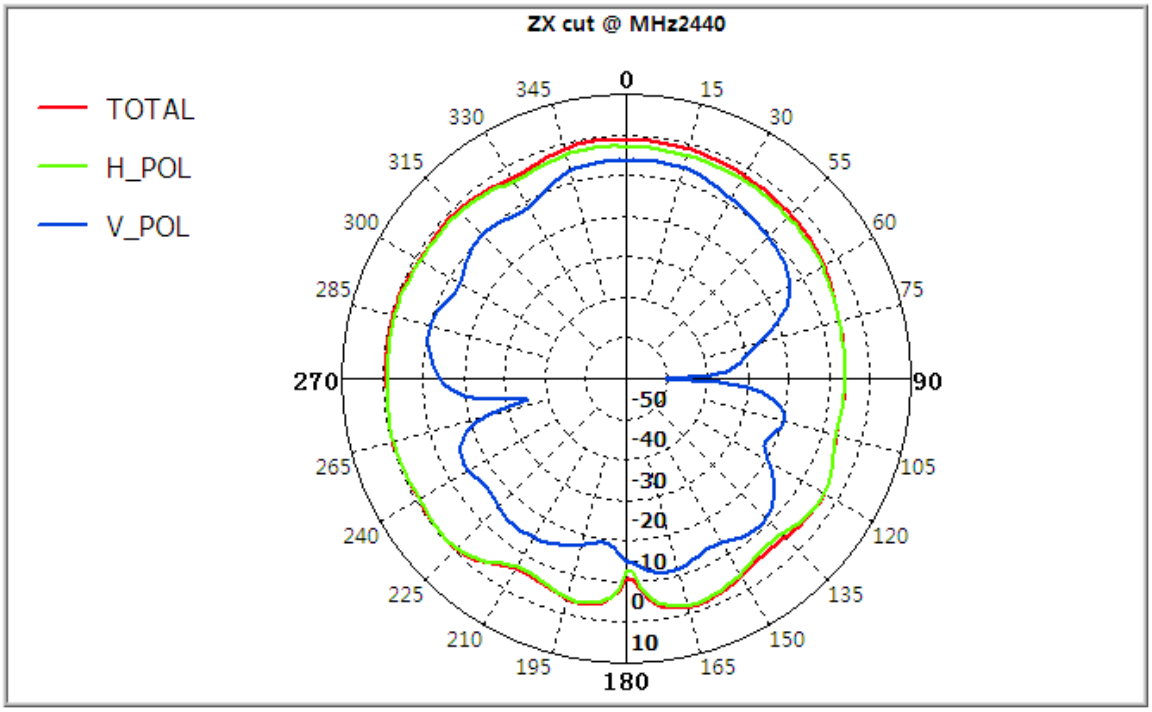
Frequency (MHz)	Gain (dBi)	Efficiency (%)
2400 MHz	1.08	46.56
2410 MHz	1.01	48.48
2420 MHz	1.13	49.98
2430 MHz	1.03	50.31
2440 MHz	1.17	50.74
2450 MHz	1.14	51.05
2460 MHz	1.29	51.77
2470 MHz	1.34	51.7
2480 MHz	1.28	51.76
2490 MHz	1.18	51.96
2500 MHz	1.24	52.81

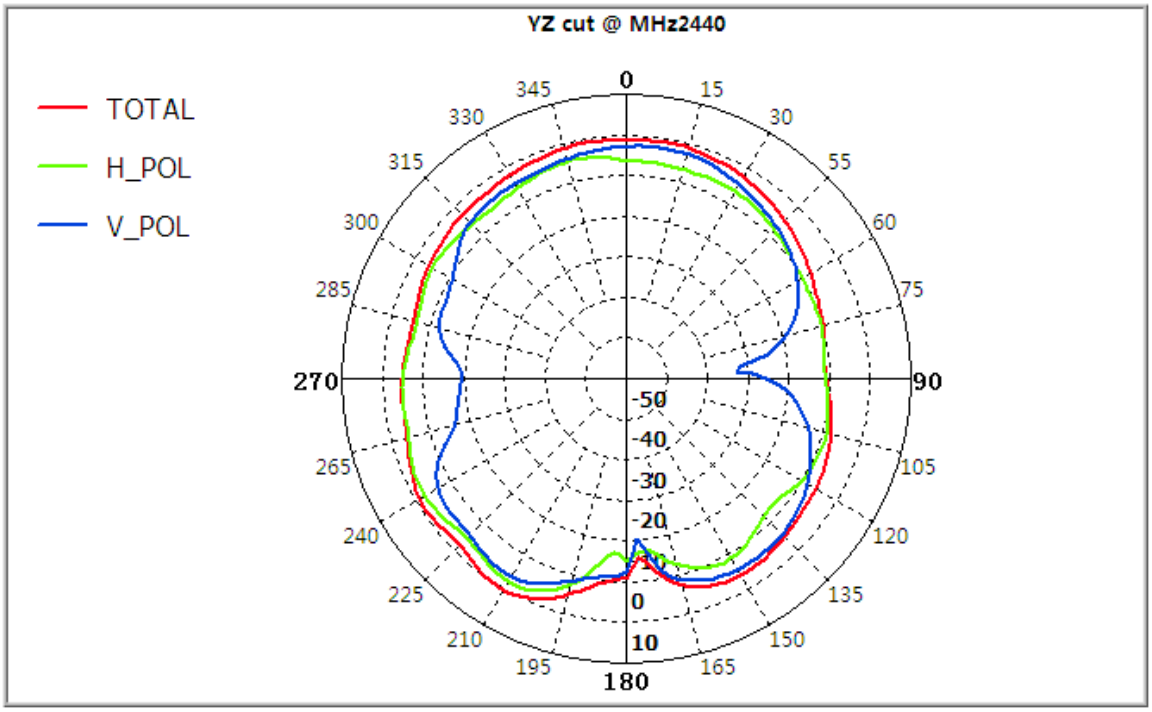
2.1.3. 3D



2.1.4. Antenna polarization direction






YZ cut @ MHz2440
TOTAL
H_POL
V_POL
0
15
30
55
60
75
90
105
120
135
150
165
180
195
210
225
240
265
270
285
300
315
330
345
-50
-40
-30
-20
-10
0
10

Rev.1.9