

DD321606-CD A N T

SPECIFICATION

DESCRIPTION Ceramic Antenna

PART NO. DD321606-CD

VERSION V1.1

**Manufacturer:Zhongshan Crosses Intelligent
Technology Co., Ltd**

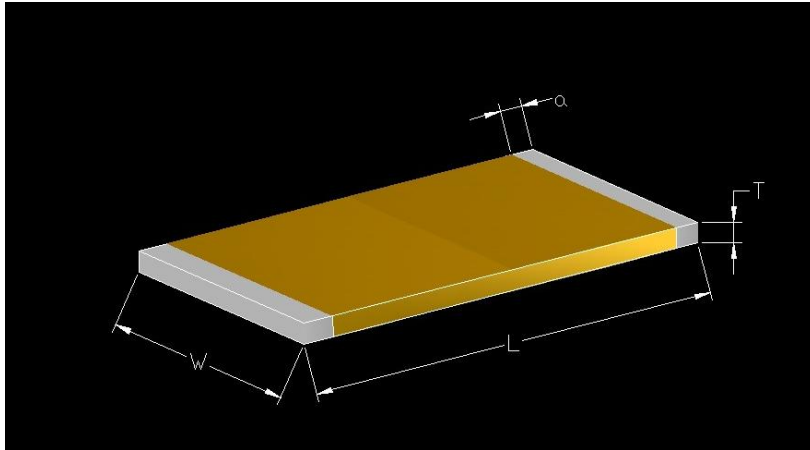
**Address:5th floor, No.7 Lianbaolu, Shengfeng,
Xiaolan, Zhongshan, Guangdong, China**

Model :S1

2. Antenna Specification

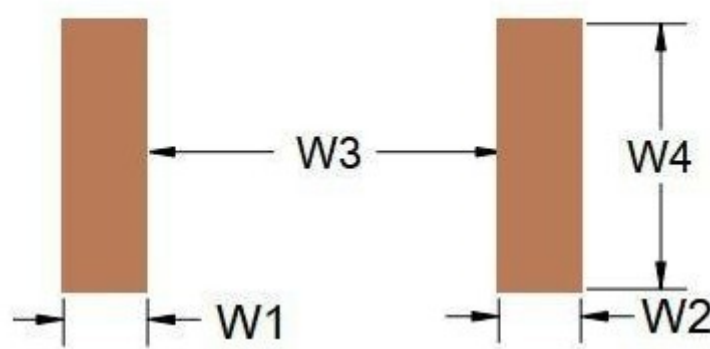
Outline Dimensions	3.2x1.6x0.6(mm)
Ground Plane	3.2x1.6(mm)
Frequency Range	2.4GHz ~ 2.5GHz
Impedance	50 Ohm Nominal
Bandwidth (under -10dB return loss)	100MHz (Typ.)
Radiation	Omni-directional
Peak Gain	1.7 5 dBi (Typ.)
Efficiency	60% (Typ.)
Polarization	Linear Polarization
Storage Temp	-40℃ ~ +85℃
Color	Brown

3. Antenna Dimension



Type	L	W	T	a
SKT3216	3.2 ±0.2	1.6 ±0.2	0.6 ±0.2	0.4 ±0.2

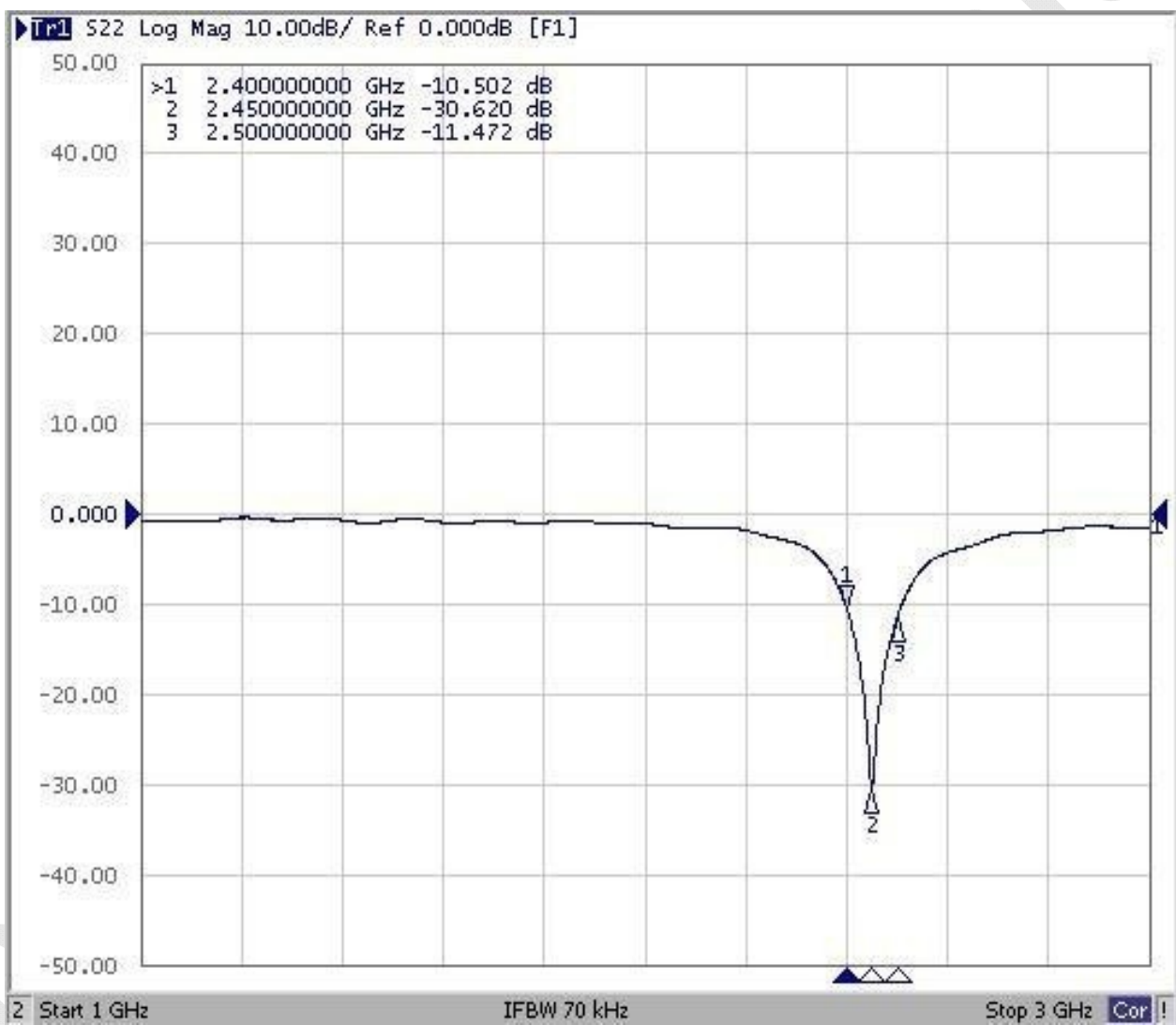
FootPrint (Unit : mm)



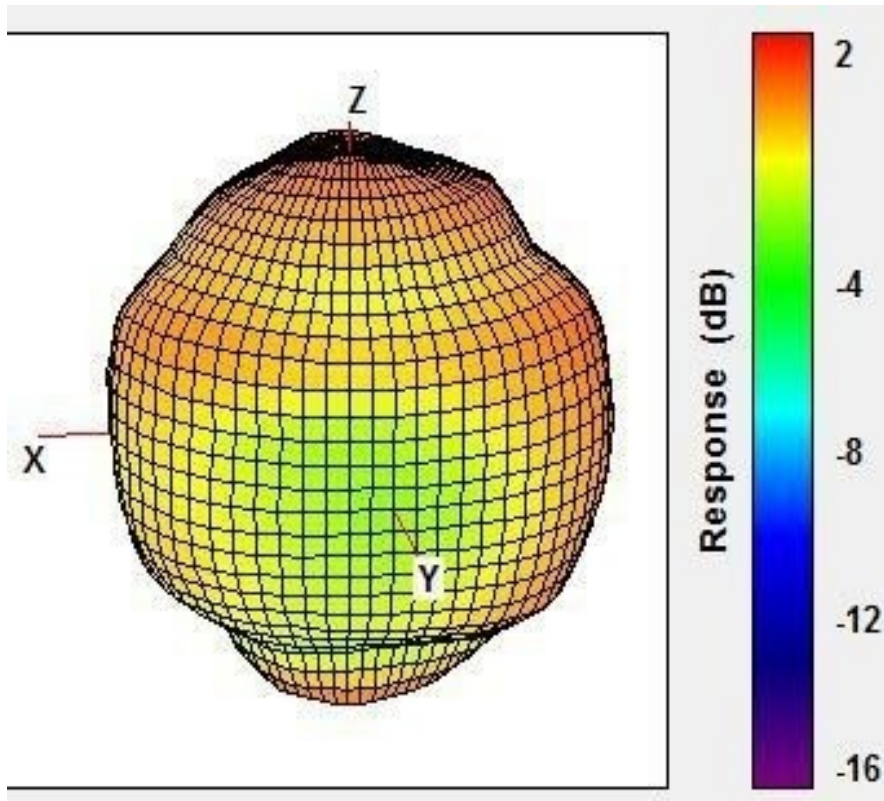
Type	W1	W2	W3	W4
SKT3216	0.4 ±0.2	0.4 ±0.2	2.4 ±0.2	1.6 ±0.2

4. Test Data:

4.1 ELECTRICAL CHARACTERISTICSS11

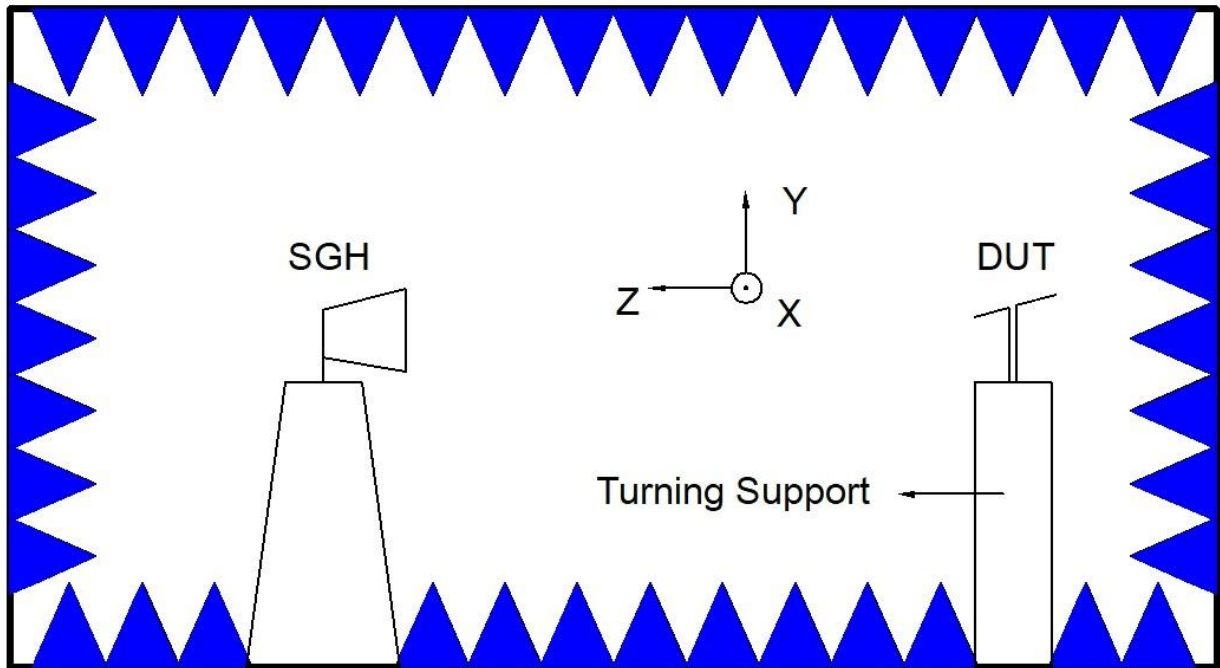


4.2 Radiation Pattern



	Efficiency	Peak Gain	Directivity
2400MHz	57.45%	1.3 dBi	2.45 dBi
2450MHz	60.65%	1.75dBi	2.89 dBi
2500MHz	56.75%	1.45dBi	2.23 dBi

Chamber Coordinate System



5. LayoutGuide:

Solder Land Pattern:

Land pattern for soldering (black marking areas) is as shown below. Matching circuit is needed for good performance, when customer's device is different.

