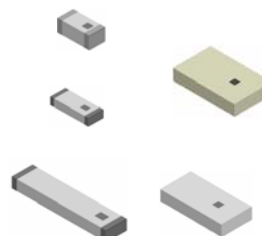


SLDA Series Chip Antenna

SLDA92-2R450G-S1

Applications

The SLDA-2R450G-01 is a small size, LTCC-tech based chip antenna specifically designed for 2450MHz WLAN and Blue-tooth applications, etc.



Specifications

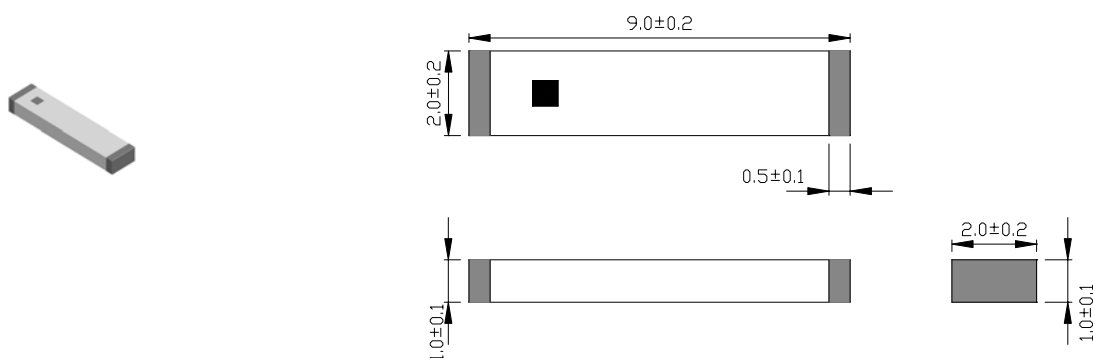
Part Number	Band Width	Peak Gain (V-XZ)	Average Gain(V-XZ)	VSWR (in BW)	Impedance
SLDA92-2R450G-S1	2400-2500MHz	3.0dBi typ	1.0dBi typ.	< 2	50 Ohm

Operating Temperature Range : -40 ~ +85 °C

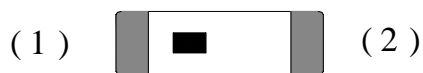
Storage Temperature Range : -40 ~ +85 °C

Power Capacity : 3W max.

Outline and Dimensions

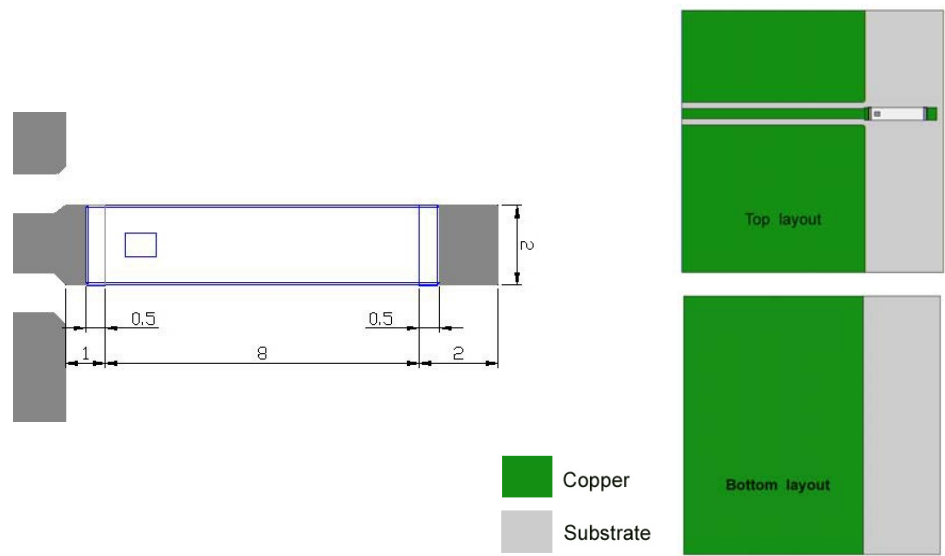


Terminal Configuration



No.	Terminal Name	No.	Terminal Name
(1)	Feeding Point	(2)	NC

EVALUATION BOARD AND LAND PATTERN

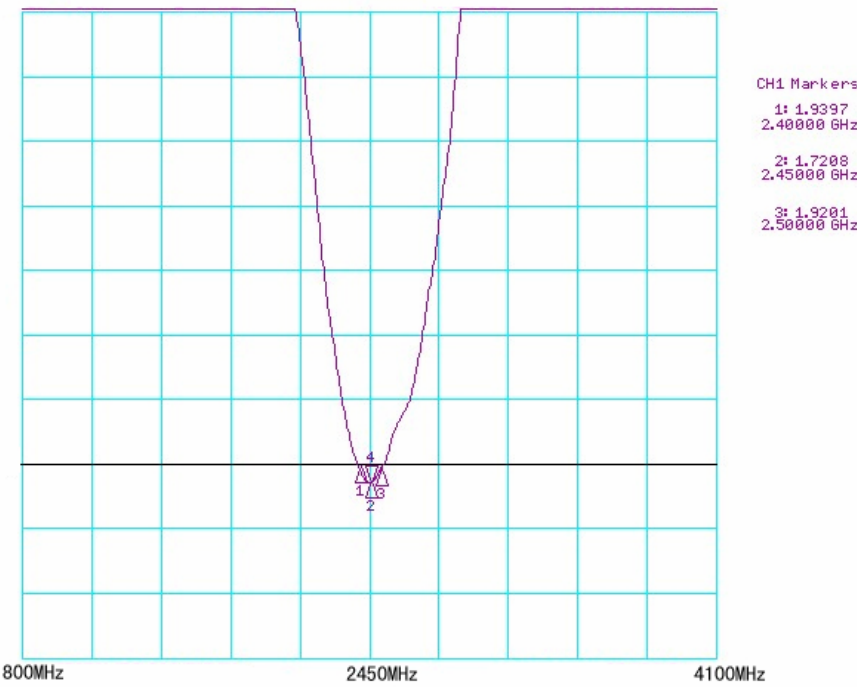


SAMPLE REQUEST

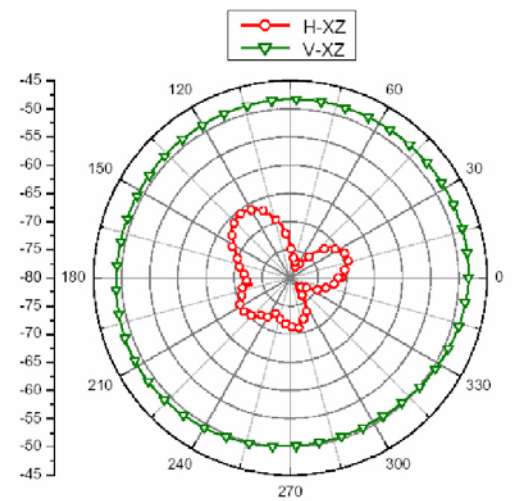
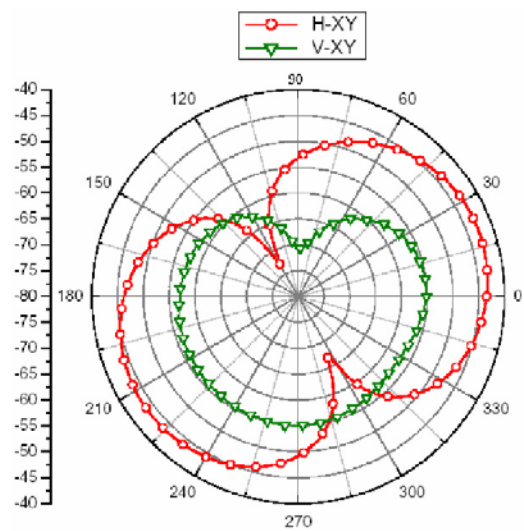
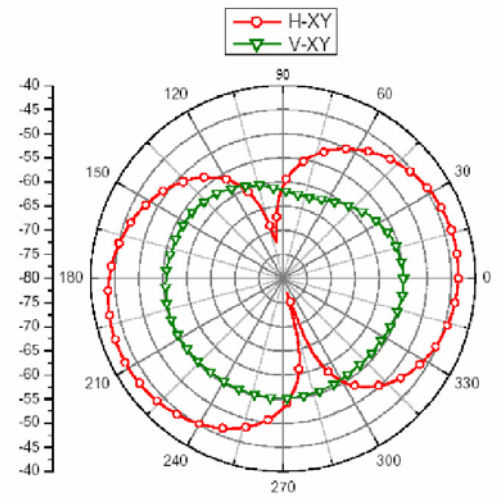
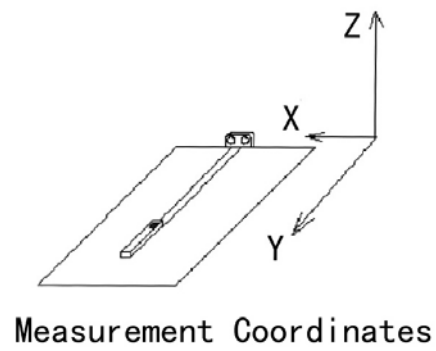
Frequency is changed with layout patterning of PCB.
Please consult with us for appropriate design.

RETURN LOSS

SLDA92-2R450G-S1



RADIATION PATTERNS

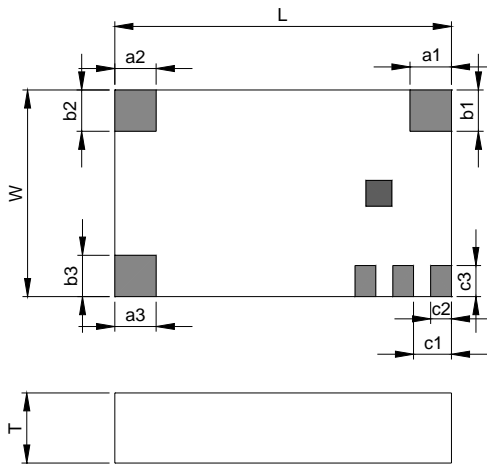


SLDA64-2R450G-S*

Specifications

Part Number	Band Width (MHz)	Peak Gain (V-XZ)	VSWR (In BW)	Impedance (Ohm)
SLDA64-2R450G-S1	2400-2500	2.0 dBi	< 2.0	50
	Operating Temperature Range : -40 ~ +85 °C Storage Temperature Range : -40 ~ +85 °C Power Capacity : 3 W max			
Part Number	Band Width (MHz)	Peak Gain (V-XZ)	VSWR (In BW)	Impedance (Ohm)
SLDA64-2R450G-S2	2400-2500	2.0 dBi	< 2.0	50
	Operating Temperature Range : -40 ~ +85 °C Storage Temperature Range : -40 ~ +85 °C Power Capacity : 3 W max			

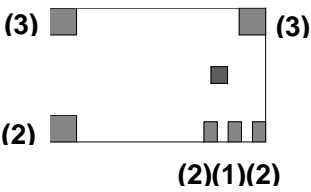
Outline and Dimensions



L	6.5±0.2	a1	0.8±0.1	b1	0.8±0.1
W	4.0±0.2	a2	0.8±0.1	b2	0.8±0.1
T	1.36±0.2	a3	0.8±0.1	b3	0.8±0.1
c1	0.73±0.1	c2	0.4±0.1	c3	0.6±0.1

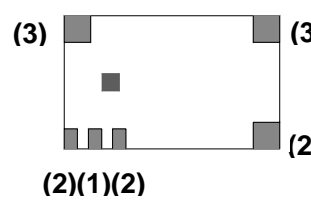
Terminal Configuration

SLDA64-2R450G-S1



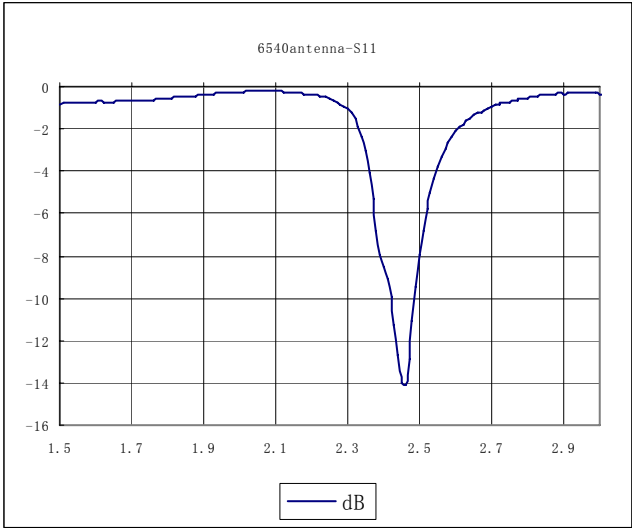
No.	Terminal Name	No.	Terminal Name	No.	Terminal Name
(1)	Feeding Point	(2)	GND	(3)	NC

SLDA64-2R450G-S2



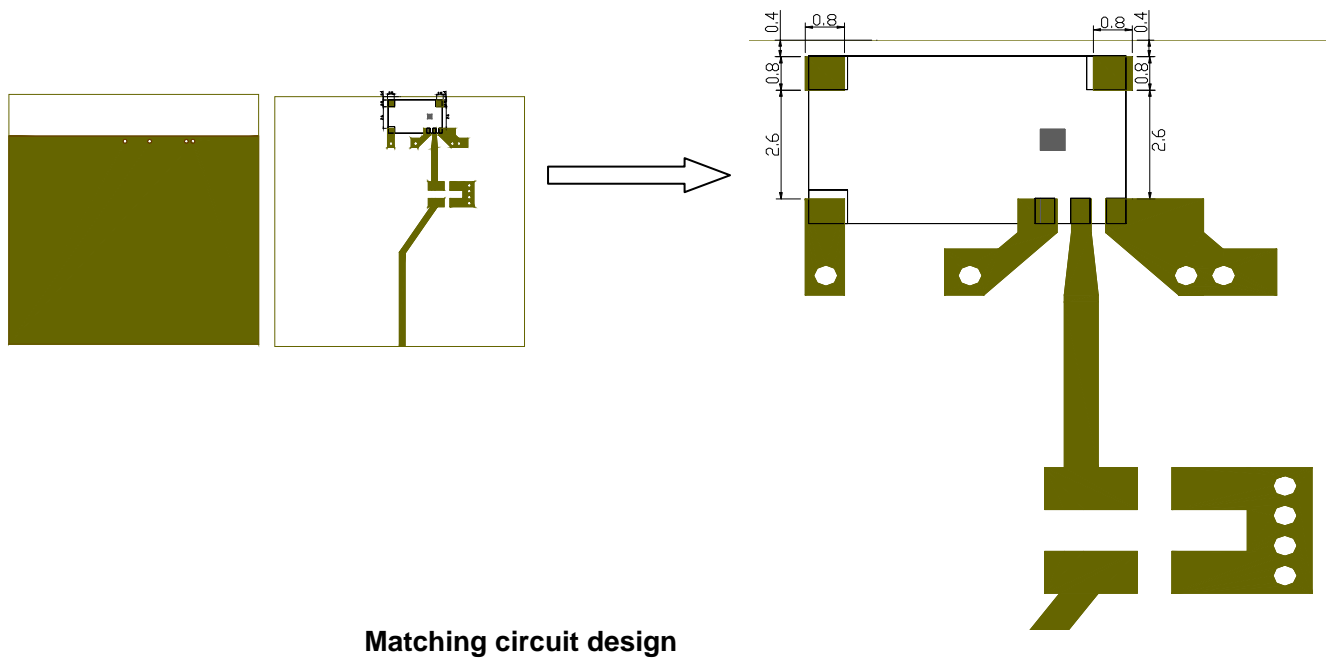
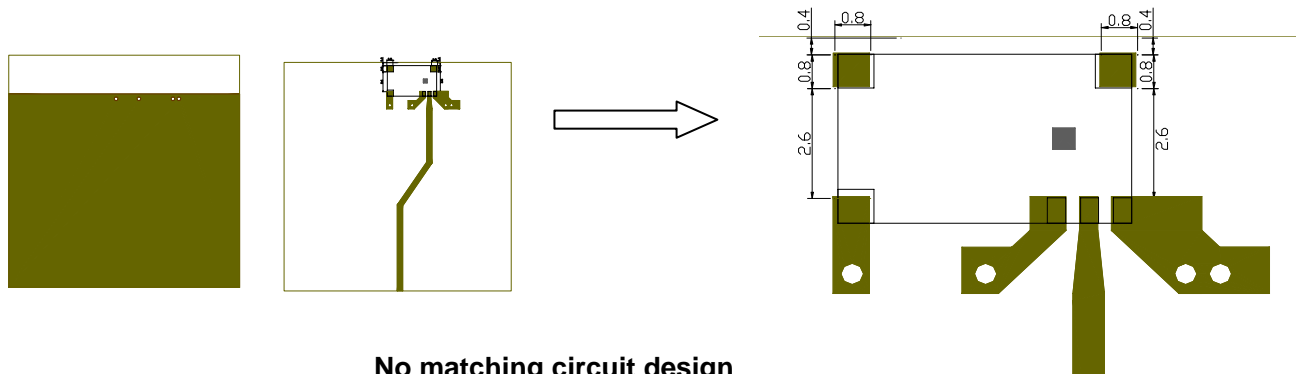
No.	Terminal Name	No.	Terminal Name	No.	Terminal Name
(1)	Feeding Point	(2)	GND	(3)	NC

RETURN LOSS



EVALUATION BOARD AND LAND PATTERN

SLDA64-2R450G-S1

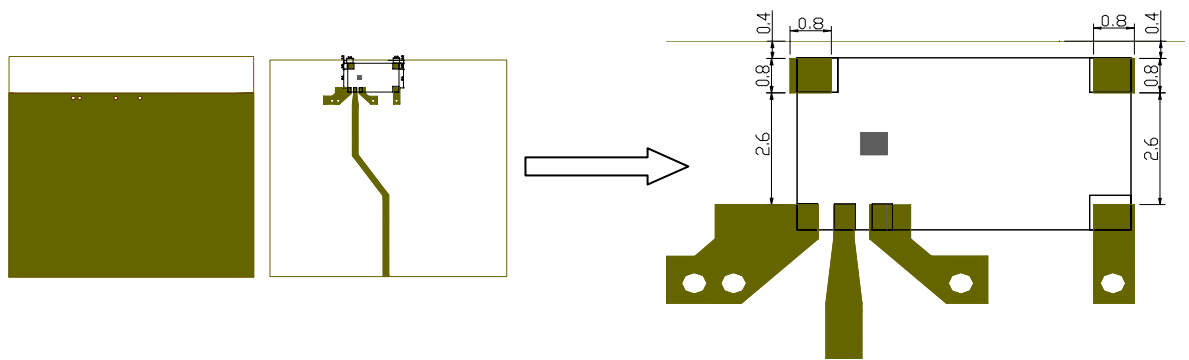


●SAMPLE REQUEST

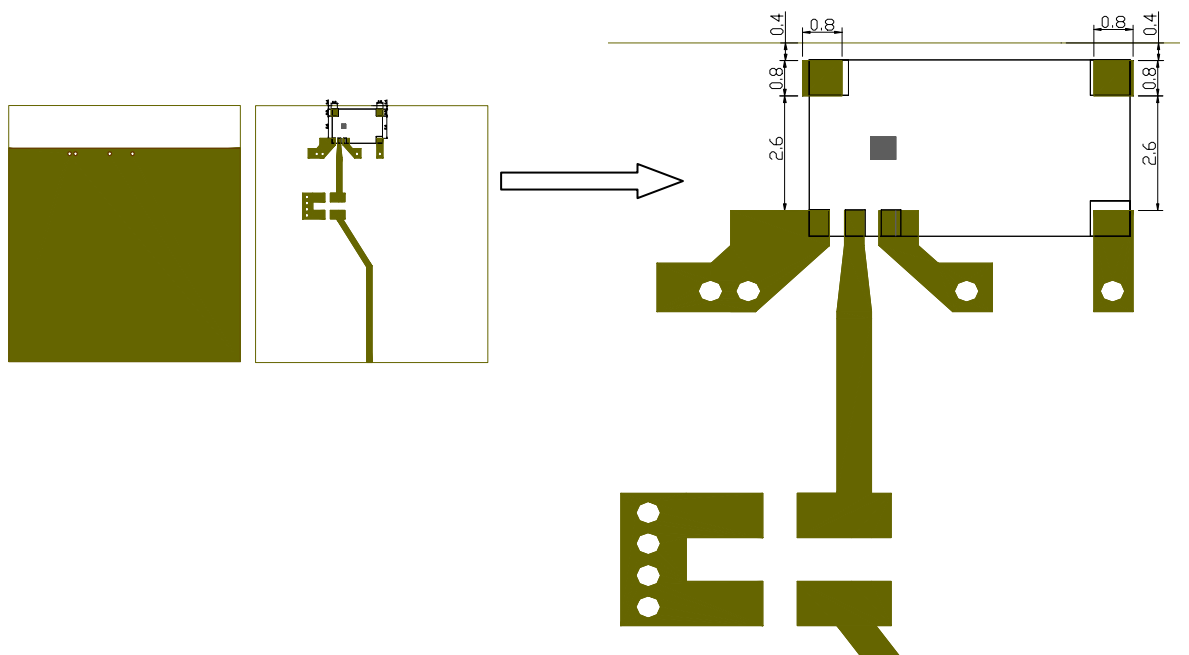
Frequency is changed with layout patterning of PCB.

Please consult with us for appropriate design.

SLDA64-2R450G-S2



No matching circuit design



Matching circuit design

●SAMPLE REQUEST

Frequency is changed with layout patterning of PCB.

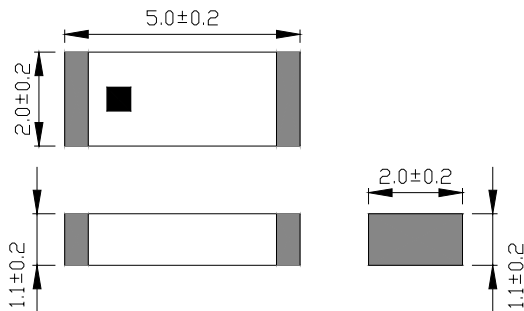
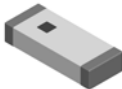
Please consult with us for appropriate design.

SLDA52-2R450G-S1

Specifications

Part Number	Band Width (MHz)	Peak Gain (V-XZ)	Average Gain (V-XZ)	VSWR (In BW)	Impedance (Ohm)
SLDA52-2R450G-S1	2400-2500	2.5 dBi typ.	0.5 dBi typ	< 2.0	50
	Operating Temperature Range : -40 ~ +85 °C Storage Temperature Range : -40 ~ +85 °C Power Capacity : 3 W max				

Outline and Dimensions

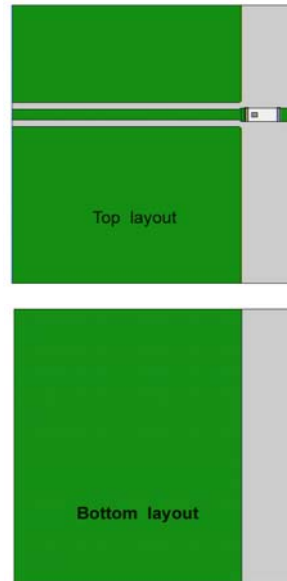
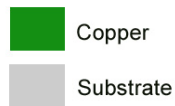
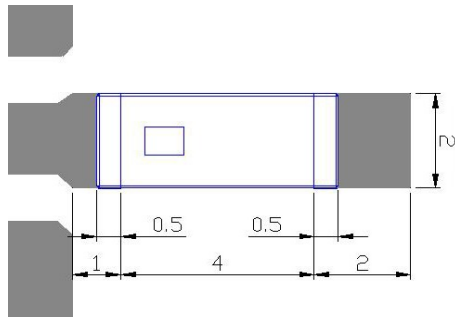


Terminal Configuration



No.	Terminal Name	No.	Terminal Name
(1)	Feeding Point	(2)	NC

EVALUATION BOARD AND LAND PATTERN

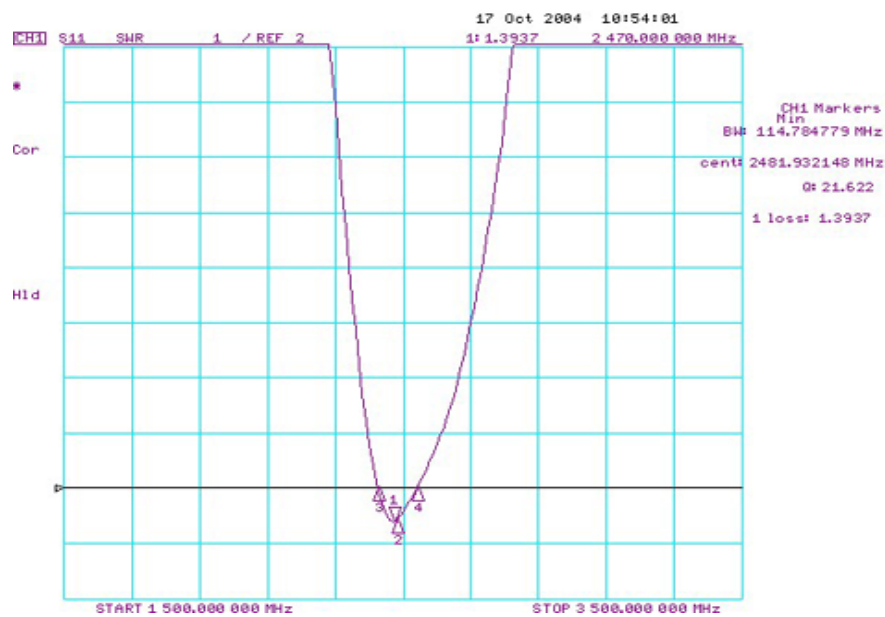


SAMPLE REQUEST

Frequency is changed with layout patterning of PCB.

Please consult with us for appropriate design.

RETURN LOSS

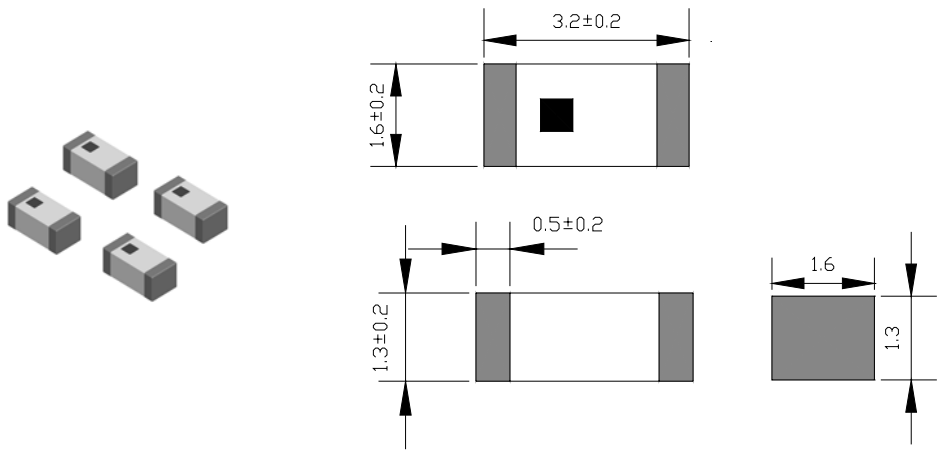


SLDA31-2R450G-S1

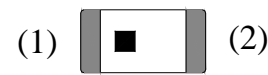
Specifications

Part Number	Band Width (MHz)	Peak Gain (V-XZ)	Average Gain (V-XZ)	VSWR (In BW)	Impedance (Ohm)
SLDA31-2R450G-S1	2400~2500	0.5 dBi typ.	-1 dBi typ	< 2.0	50
	Operating Temperature Range : -40 ~ +85 °C				
	Storage Temperature Range : -40 ~ +85 °C				
	Power Capacity : 3 W max				

Outline and Dimensions

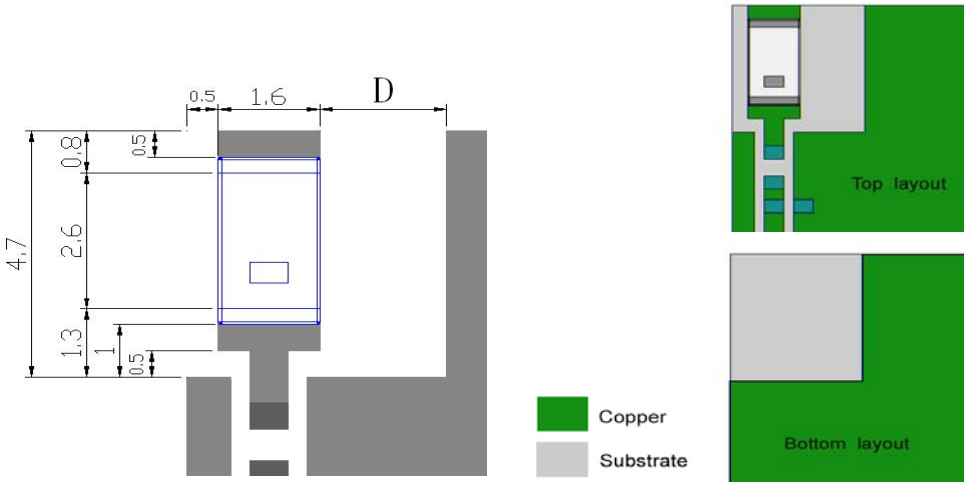


Terminal Configuration



No.	Terminal Name	No.	Terminal Name
(1)	Feeding Point	(2)	NC

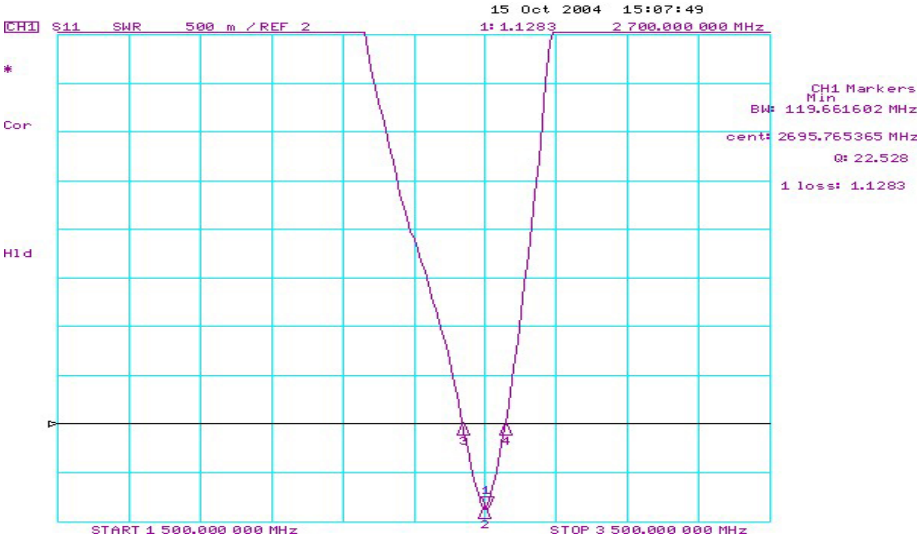
EVALUATION BOARD AND LAND PATTERN



SAMPLE REQUEST

Frequency is changed with layout patterning of PCB.
Please consult with us for appropriate design.

RETURN LOSS

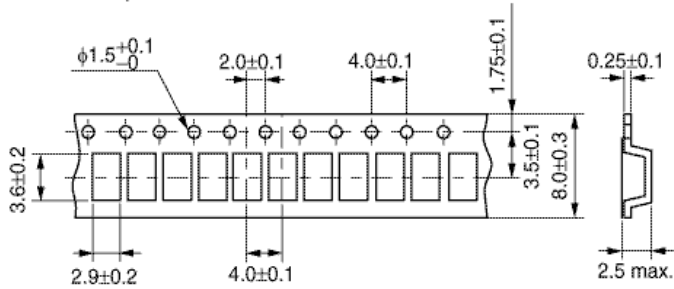


Packaging of LTCC

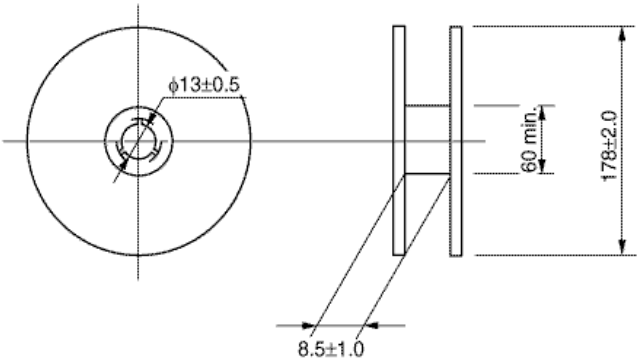
Type	Size	Standard Quantity (Pcs)
		180mm Plastic Tape
Filter	3225	2000
	3216	3000
	2520	3500
	2012	4000
Antenna	9020	4000
	6540	3500
	6030	3500
	5020	3500
	3216	3000

● 3225 Series

● Plastic Tape

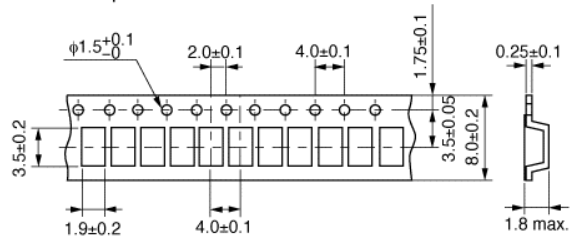


● Reel

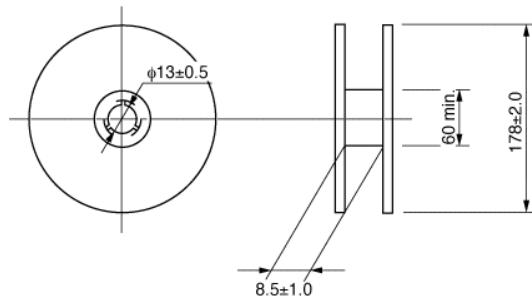


● 3216 Series

● Plastic Tape

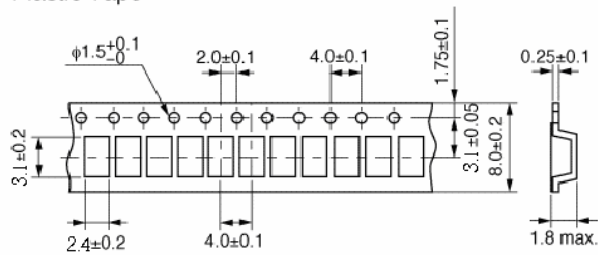


● Reel

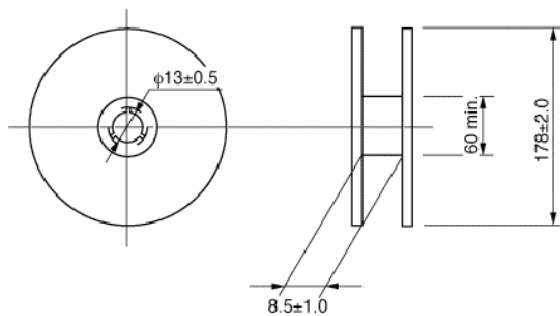


● 2520 Series

● Plastic Tape

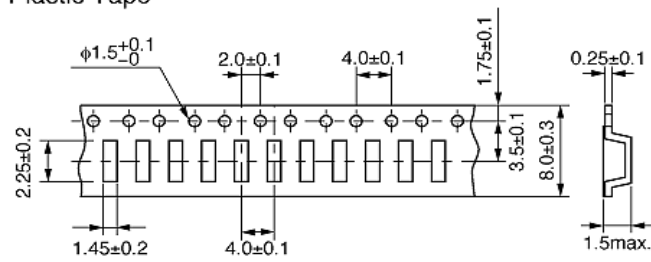


● Reel

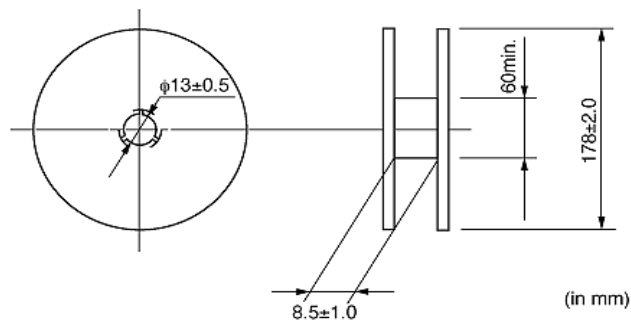


● 2012 Series

● Plastic Tape

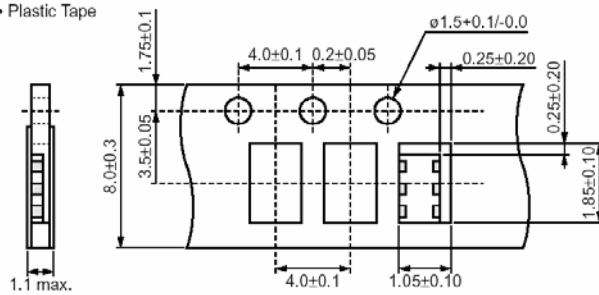


● Reel

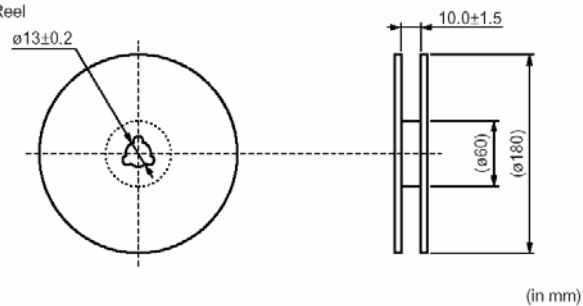


● 1608 Series

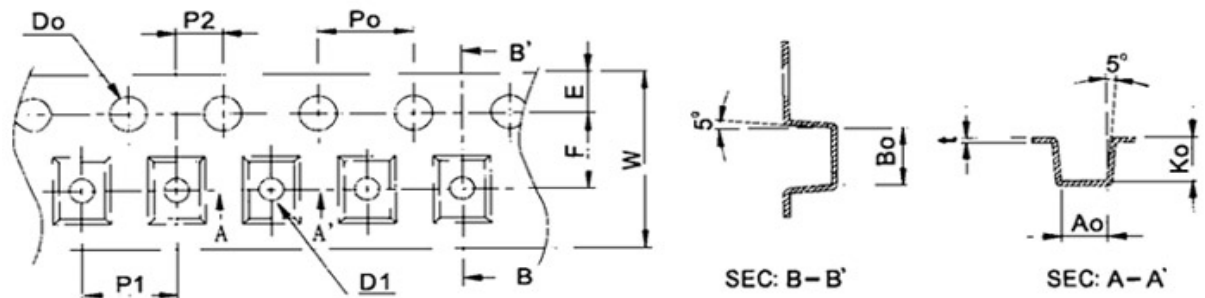
• Plastic Tape



• Reel

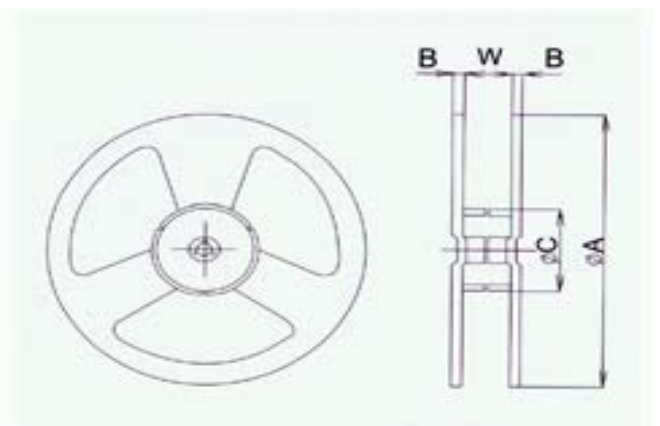


Chip Antenna



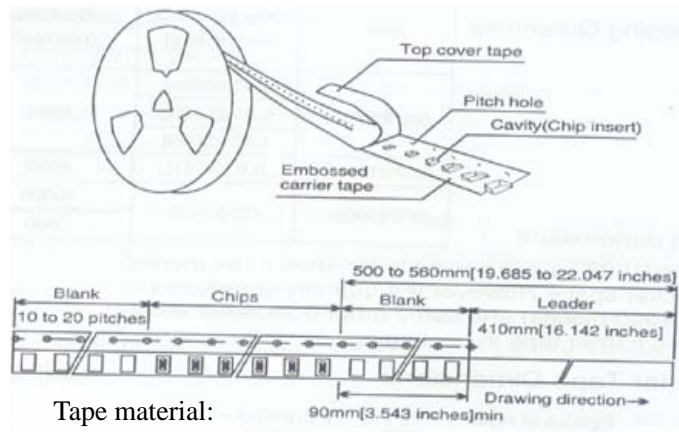
Series	W	P1	E	F	D0	D1	P0	10*P0	P2	K0	A0	B0			
Tol	±1	±1	±1	±0.05	+0.1 -0.0	±0.05	±0.05	±0.2	±0.05	±1	±1	±1			
3216	8.0	4.0	1.75	3.5	1.50	1.0/0.5	4.0	40.0	2.0	1.4	2.0	3.6			
5020	12.0	8.0		5.5		1.5				4.0	40.0	2.0	1.3	2.4	5.4
6030													1.5	3.4	6.4
6540													1.5	4.4	6.9
9020	16.0	12.0		7.5									1.3	2.4	9.4

Unit:(mm)



series	spec.	dimensions(mm)			
		A	W	C	B
3216	7"*8mm	178	9	60	1.5
5020	13"*12mm	330	13.5	100	2.0
6030	13"*12mm	330	13.5	100	2.0
6540	13"*12mm	330	13.5	100	2.0
9020	13"*16mm	330	17.5	100	2.0

Taping figure and drawing direction:



Tape material:

Base tape: cardboard

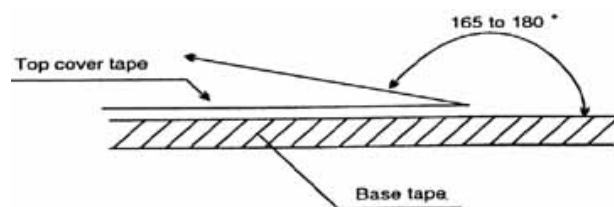
Cover tape: polyethylene

Pulling strength of tapes:

Carrier tape	10N or more (1kgf or more)
Cover tape	5N or more (0.5kgf or more)

Peeling strength of cover tape:

Cover tape	0.2~0.6N (20gf~60gf)
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Test condition: 1) peel angle: 165°~180° vs. carrier tape.

2) peel speed: 300mm/min±10%.