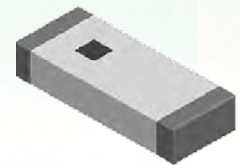


# Multilayer Chip Antenna - SLDA Series

Operating Temp. : -40°C ~+85°C



## FEATURES

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

## APPLICATIONS

- Bluetooth, Wireless LAN, Mobile TV
- Home RF system, etc.

## PRODUCT IDENTIFICATION

**SLDA**

①

**31**

②

**-2R800G**

③

**-S1**

④

**I**

⑤

**F**

⑥

①	
Type	
SLDA	Multilayer Chip Antenna

②	
External Dimensions (L×W) (mm)	
31	3.2×1.6
52	5.2×2.1
62	6.0×2.0
72	7.0×2.0
81	8.0×1.0
92	9.0×2.0

③	
Center Frequency	
Example	Nominal Value
2R800G	2800.0MHz
2R450G	2450.0MHz

④	
Series Code	
S1, 01, etc.	

⑤	
Packing	
T	Tape & Reel

⑥	
Hazardous Substance Free Products	
F	

## SHAPE AND LAND PATTERN

Type: SLDA21/31/52/62/72/81/92/16030//35050/50040	Dimensions (mm)
Type: SLDA21-2R450G-S1TF	Land Pattern (mm)

## SHAPE AND DIMENSIONS

Unit: mm

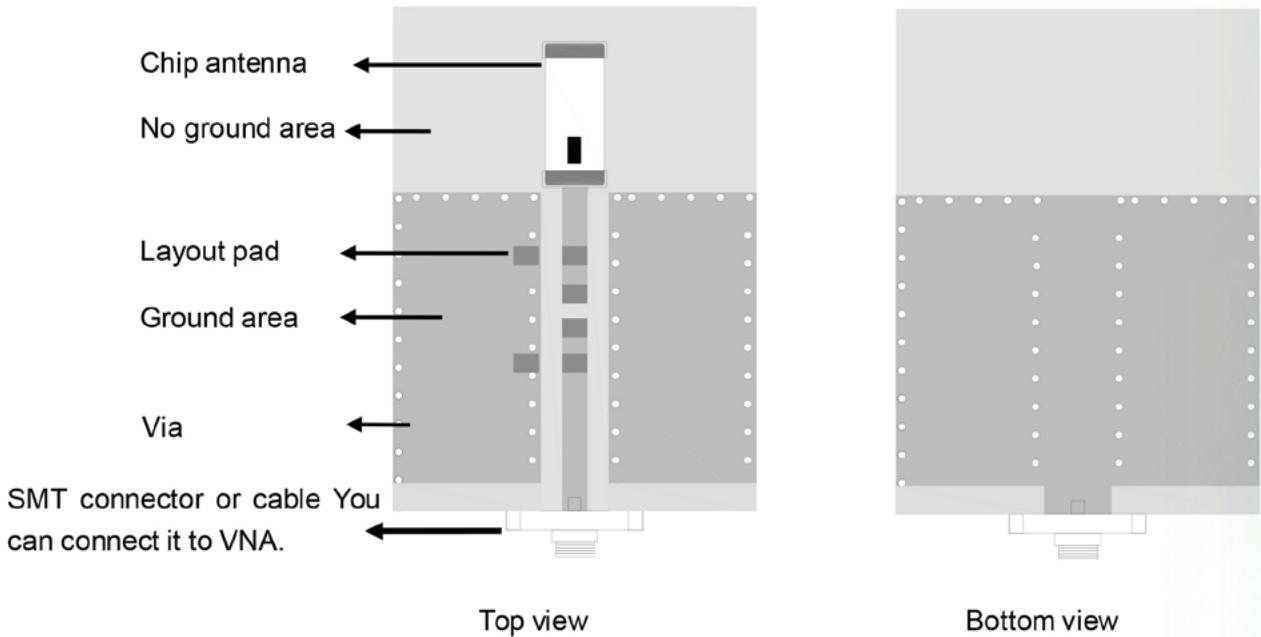
Series	A	B	C	D	E	F	G	H	I	J
SLDA31	3.2±0.2	1.6±0.2	1.2±0.2	0.5±0.2	1.6±0.2	0.8±0.2	0.8±0.2	2.2±0.2	1.4	1.6±0.2
SLDA52	5.2±0.2	2.1±0.2	1.0±0.2	0.5±0.2	2.3±0.2	1.5±0.2	1.0±0.2	4.0±0.2	1.4	2.3±0.2
SLDA62	6.0±0.2	2.0±0.2	1.0±0.2	0.5±0.2	2.2±0.2	1.5±0.2	1.0±0.2	5.0±0.2	1.4	2.2±0.2
SLDA72	7.0±0.2	2.0±0.2	1.0±0.2	0.5±0.2	2.2±0.2	1.5±0.2	1.0±0.2	6.0±0.2	1.4	2.2±0.2
SLDA81	8.0±0.2	1.0±0.2	1.0±0.2	0.5±0.2	1.5±0.2	1.5±0.2	1.0±0.2	7.0±0.2	1.4	1.5±0.2
SLDA92	9.0±0.2	2.0±0.2	1.0±0.2	0.5±0.2	2.2±0.2	1.5±0.2	1.0±0.2	8.0±0.2	1.4	2.2±0.2

## TERINAL-CONFIGURATION

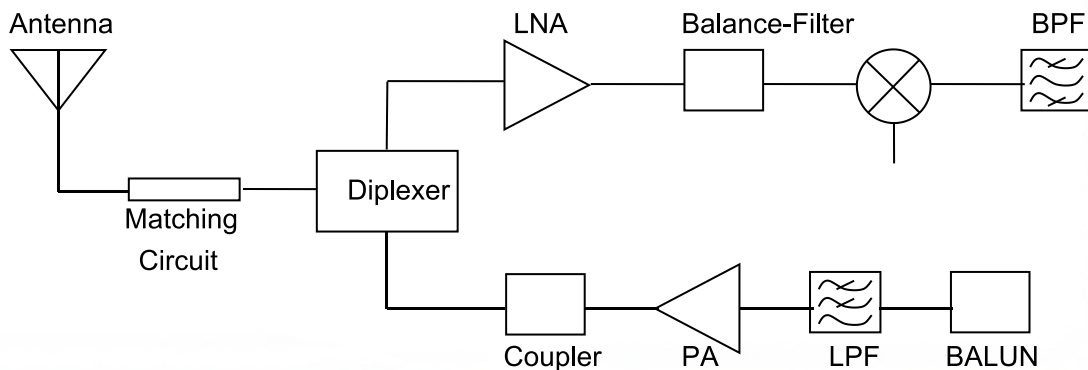


No.	Terminal Name	No.	Terminal Name
(1)	Feeding Point	(2)	NC

## EVALUATION BOARD



## APPLICATION GUIDE



## SPECIFICATIONS

### SLDA31 TYPE

Part Number	Band Width	Peak Gain	Average Gain	VSWR	Impedance	Power Capacity
	MHz	V-XZ	V-XZ	In BW	$\Omega$	W
SLDA31-2R800G-S1TF	$\geq 100$	0.5dBi Typ.	-1dBi Typ.	<2	50	3
SLDA31-2R450G-S1TF	$\geq 100$	0.5dBi Typ.	-1dBi Typ.	<2	50	3
SLDA31-2R400G-S1TF	$\geq 100$	2.5dB @ ( XZ-total)	-1.5dB @ ( XZ-total)	<2	50	2
SLDA31-2R450G-S2TF	$\geq 100$	2.5dBi @ ( XZ-total)	0.5dBi @ ( XZ-total)	<2	50	2

### SLDA52 TYPE

Part Number	Band Width	Peak Gain	Average Gain	VSWR	Impedance	Power Capacity
	MHz	V-XZ	V-XZ	In BW	$\Omega$	W
SLDA52-2R510G-S1TF	$\geq 200$	2.5dBi Typ.	0.5dBi Typ.	<2	50	3
SLDA52-2R540G-S1TF	$\geq 200$	2.5dBi Typ.	0.5dBi Typ.	<2	50	

### SLDA62 TYPE

Part Number	Band Width	Peak Gain	Average Gain	VSWR	Impedance	Power Capacity
	MHz	V-XZ	V-XZ	In BW	$\Omega$	W
SLDA62-2R640G-01TF	$\geq 200$	2.6dBi Typ.	0.7dBi Typ.	<2	50	3

### SLDA72 TYPE

Part Number	Band Width	Peak Gain	Average Gain	VSWR	Impedance	Power Capacity
	MHz	V-XZ	V-XZ	In BW	$\Omega$	W
SLDA72-2R470G-S1TF	$\geq 200$	2.7dBi Typ.	1.0dBi Typ.	<2	50	3

### SLDA81 TYPE

Part Number	Band Width	Peak Gain	Average Gain	VSWR	Impedance	Power Capacity
	MHz	V-XZ	V-XZ	In BW	$\Omega$	W
SLDA81-3R010G-S1TF	$\geq 200$	2.0dBi Typ.	0.5dBi Typ.	<2	50	3

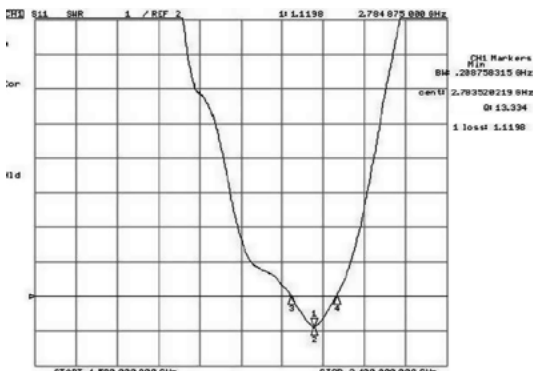
### SLDA92 TYPE

Part Number	Band Width	Peak Gain	Average Gain	VSWR	Impedance	Power Capacity
	MHz	V-XZ	V-XZ	In BW	$\Omega$	W
SLDA92-2R660G-S1TF	$\geq 200$	3.0dBi Typ.	1.0dBi Typ.	<2	50	3

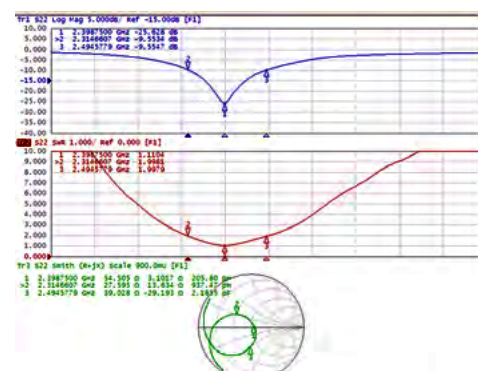
※Frequency will be changed with layout of PCB. Please contact us for appropriate design.

## RETURN LOSS

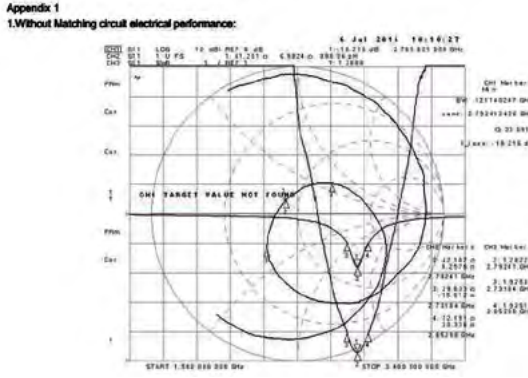
### SLDA31-2R800G-S1TF



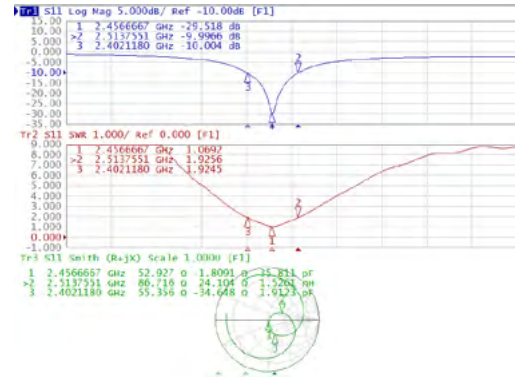
### SLDA31-2R400G-S1TF



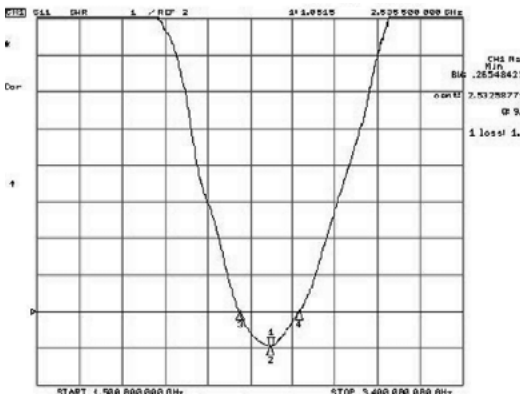
SLDA31-2R450G-S1TF



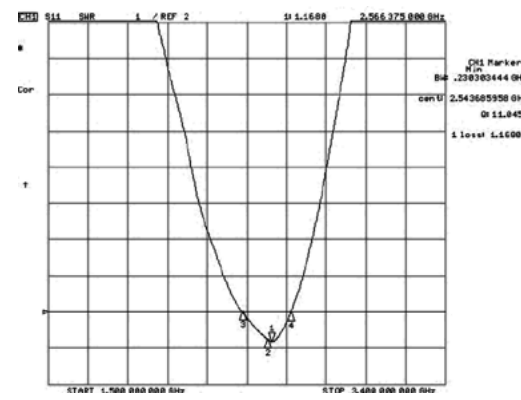
SLDA31-2R450G-S2TF



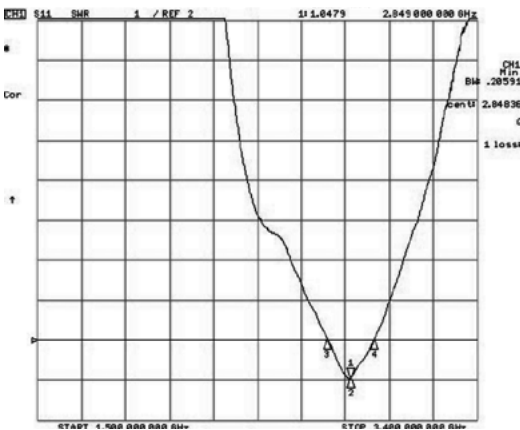
SLDA52-2R510G-S1TF



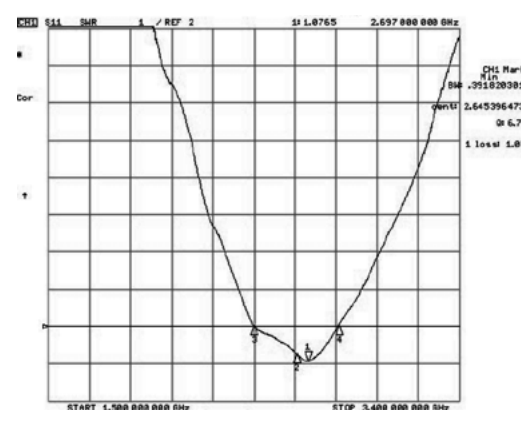
SLDA52-2R540G-S1TF



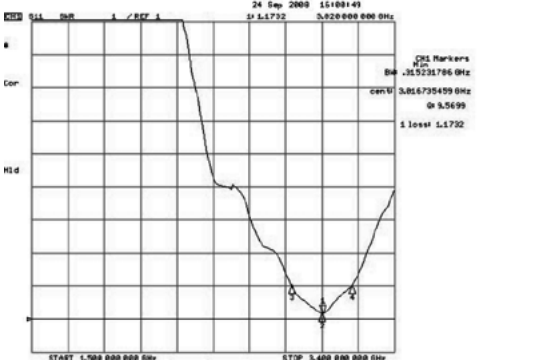
SLDA62-2R640G-01TF



SLDA72-2R470G-S1TF



SLDA81-3R010G-S1TF



SLDA92-2R660G-S1TF

