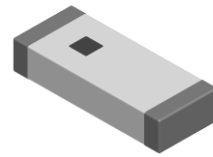


# Multilayer Chip Antenna – SLDA Series

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

① <u>SLDA</u>	② <u>31</u>	③ <u>-2R800G</u>	④ <u>-S1</u>	⑤ <u>T</u>	⑥ <u>F</u>																															
①	②	③	④	⑤	⑥																															
<table border="1"> <thead> <tr> <th colspan="2">Type</th> </tr> </thead> <tbody> <tr> <td>SLDA</td> <td>Multilayer Chip Antenna</td> </tr> </tbody> </table>		Type		SLDA	Multilayer Chip Antenna	<table border="1"> <thead> <tr> <th colspan="2">External Dimensions (LxW) (mm)</th> </tr> </thead> <tbody> <tr><td>31</td><td>3.2x1.6</td></tr> <tr><td>52</td><td>5.2x2.1</td></tr> <tr><td>62</td><td>6.0x2.0</td></tr> <tr><td>72</td><td>7.0x2.0</td></tr> <tr><td>81</td><td>8.0x1.0</td></tr> <tr><td>92</td><td>9.0x2.0</td></tr> </tbody> </table>	External Dimensions (LxW) (mm)		31	3.2x1.6	52	5.2x2.1	62	6.0x2.0	72	7.0x2.0	81	8.0x1.0	92	9.0x2.0	<table border="1"> <thead> <tr> <th colspan="2">Center Frequency</th> </tr> </thead> <tbody> <tr> <th>Example</th> <th>Nominal Value</th> </tr> <tr> <td>2R800G</td> <td>2800.0MHz</td> </tr> <tr> <td>2R450G</td> <td>2450.0MHz</td> </tr> </tbody> </table>		Center Frequency		Example	Nominal Value	2R800G	2800.0MHz	2R450G	2450.0MHz	<table border="1"> <thead> <tr> <th colspan="2">Packing</th> </tr> </thead> <tbody> <tr> <td>T</td> <td>Tape &amp; Reel</td> </tr> </tbody> </table>		Packing		T	Tape & Reel
Type																																				
SLDA	Multilayer Chip Antenna																																			
External Dimensions (LxW) (mm)																																				
31	3.2x1.6																																			
52	5.2x2.1																																			
62	6.0x2.0																																			
72	7.0x2.0																																			
81	8.0x1.0																																			
92	9.0x2.0																																			
Center Frequency																																				
Example	Nominal Value																																			
2R800G	2800.0MHz																																			
2R450G	2450.0MHz																																			
Packing																																				
T	Tape & Reel																																			
<table border="1"> <thead> <tr> <th colspan="2">Series Code</th> </tr> </thead> <tbody> <tr> <td colspan="2">S1, 01, etc.</td> </tr> </tbody> </table>		Series Code		S1, 01, etc.		<table border="1"> <thead> <tr> <th colspan="2">Hazardous Substance Free Products</th> </tr> </thead> <tbody> <tr> <td colspan="2">F</td> </tr> </tbody> </table>		Hazardous Substance Free Products		F																										
Series Code																																				
S1, 01, etc.																																				
Hazardous Substance Free Products																																				
F																																				

## SHAPE AND LAND PATTERN

Type:	Dimensions (mm)
Type: SLDA21-2R450G-S1TF	Land Pattern (mm)

## SHAPE AND DIMENSIONS

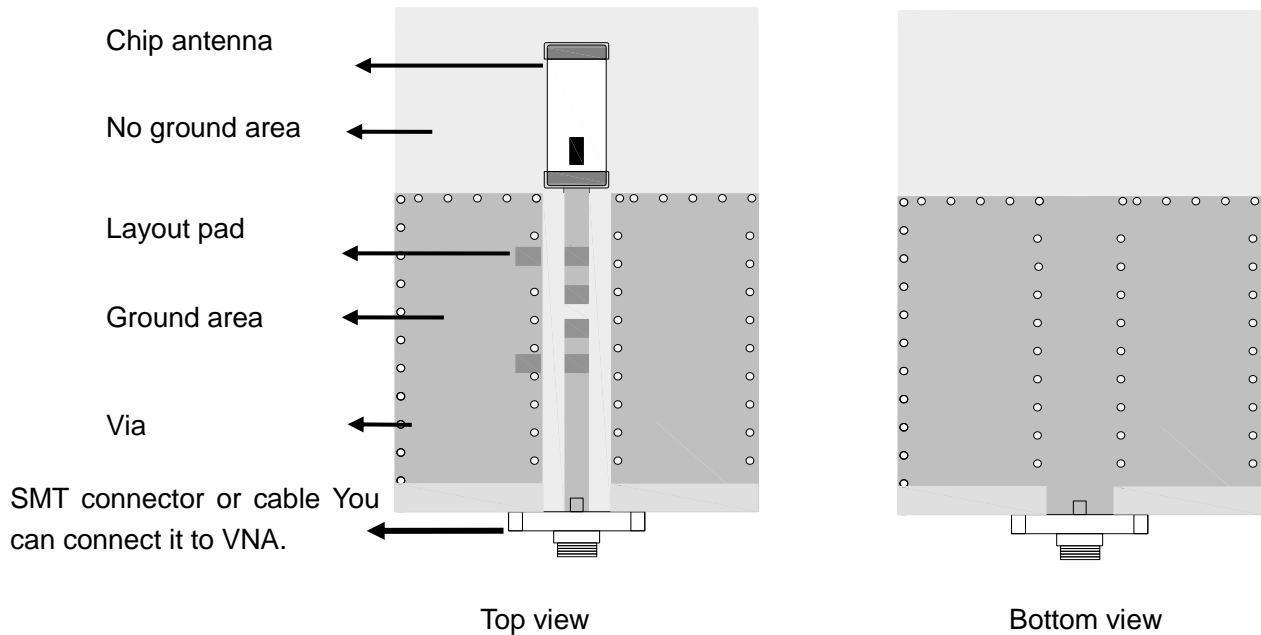
Series	A	B	C	D	E	F	G	H	I	J
SLDA31	3.2±0.2	1.6±0.2	1.2±0.2	0.5±0.2	1.6±0.2	0.8±0.2	0.8±0.2	2.2±0.2	1.4	1.6±0.2
SLDA52	5.2±0.2	2.1±0.2	1.0±0.2	0.5±0.2	2.3±0.2	1.5±0.2	1.0±0.2	4.0±0.2	1.4	2.3±0.2
SLDA62	6.0±0.2	2.0±0.2	1.0±0.2	0.5±0.2	2.2±0.2	1.5±0.2	1.0±0.2	5.0±0.2	1.4	2.2±0.2
SLDA72	7.0±0.2	2.0±0.2	1.0±0.2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

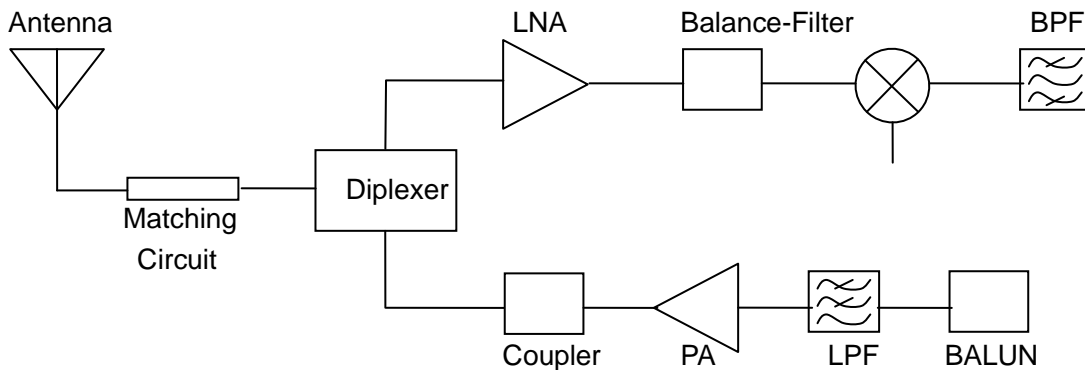


No.	Terminal Name	No.	Terminal Name
(1)	Feeding Point	(2)	NC

## 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
SLDA31-2R400G-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	
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

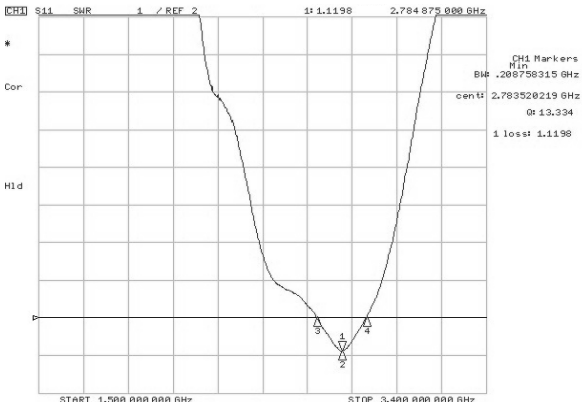
### SLDA92 TYPE

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

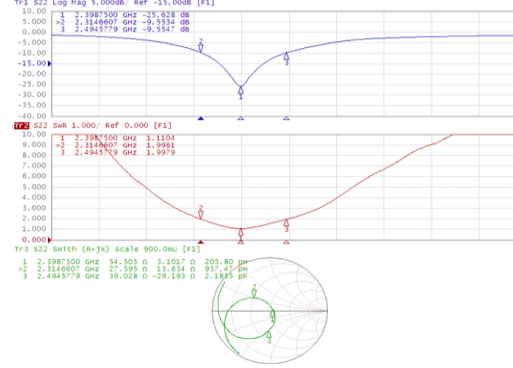
※Frequency will be changed with layout of PCB. Please contact us for appropriate design.

# RETURN LOSS

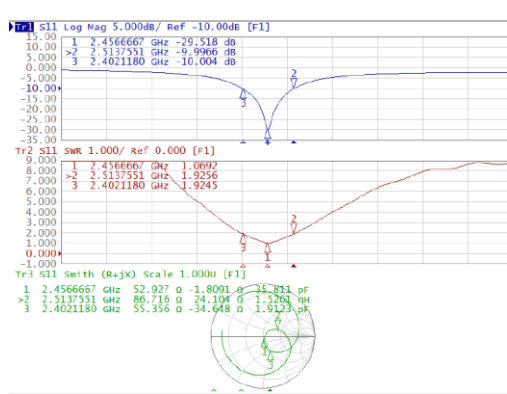
## SLDA31-2R800G-S1TF



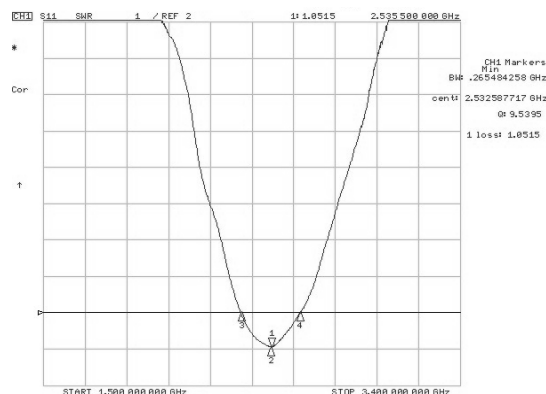
## SLDA31-2R400G-S1TF



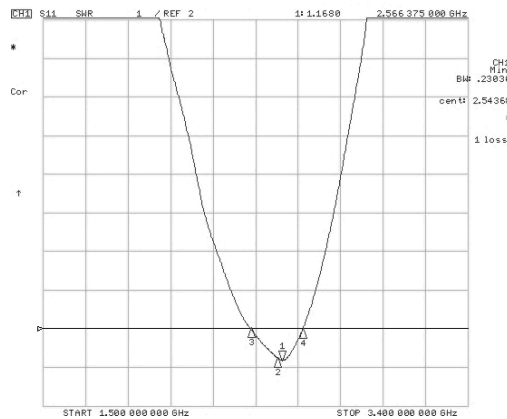
## SLDA31-2R450G-S2TF



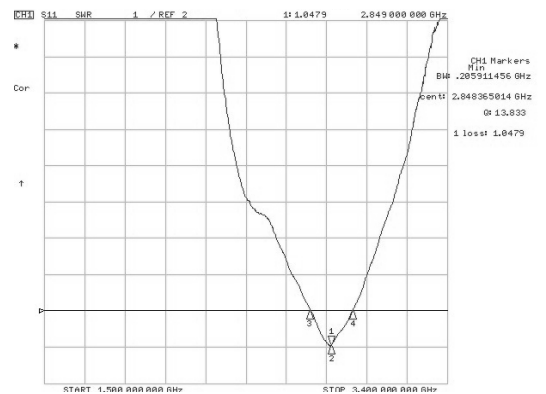
## SLDA52-2R510G-S1TF



## SLDA52-2R540G-S1TF

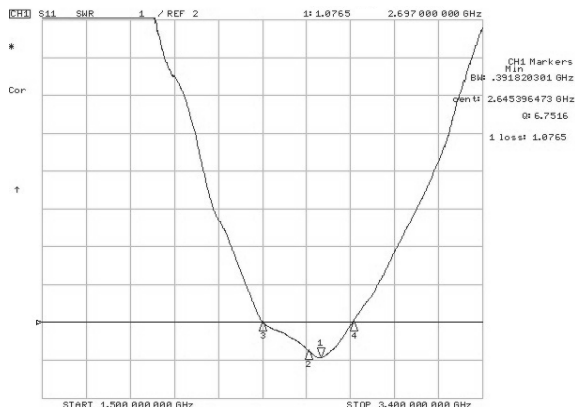


## SLDA62-2R640G-01TF

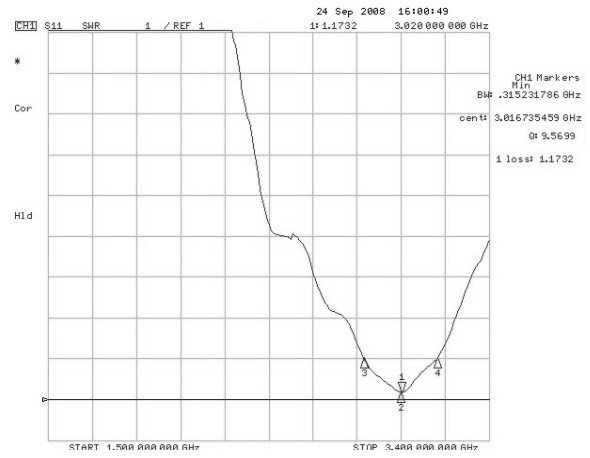


# RETURN LOSS

## SLDA72-2R470G-S1TF



## SLDA81-3R010G-S1TF



## SLDA92-2R660G-S1TF

