

Multilayer Chip Antenna - SLDA Series

Operating Temp. : -40~+85



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 **31** **-2R800G** **-S1** **I** **F**

Type	
SLDA	Multilayer Chip Antenna

External Dimensions (LW) (mm)	
31	3.21.6
52	5.22.1
62	6.02.0
72	7.02.0
81	8.01.0
92	9.02.0

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

Series Code
S1, 01, etc.

Packing	
T	Tape & Reel

Hazardous Substance Free Products
F

SHAPE AND LAND PATTERN

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

SHAPE AND DIMENSIONS

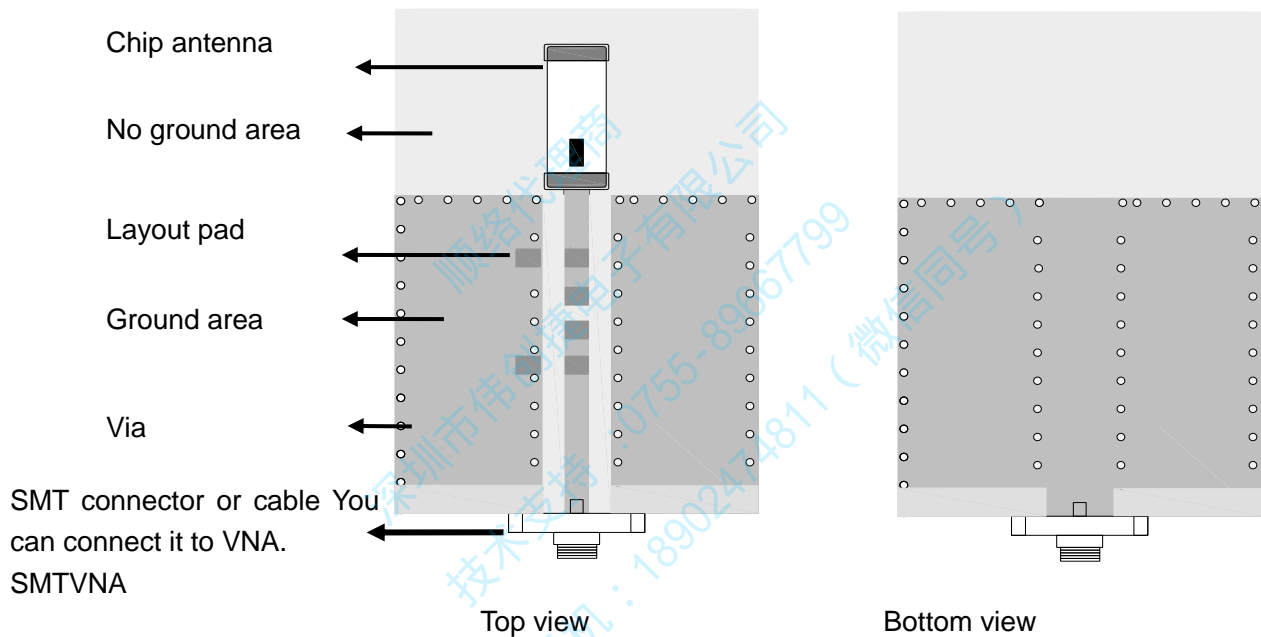
Series	A	B	C	D	E	F	G	H	I	J
SLDA31	3.20.2	1.60.2	1.20.2	0.50.2	1.60.2	0.80.2	0.80.2	2.20.2	1.4	1.60.2
SLDA52	5.20.2	2.10.2	1.00.2	0.50.2	2.30.2	1.50.2	1.00.2	4.00.2	1.4	2.30.2
SLDA62	6.00.2	2.00.2	1.00.2	0.50.2	2.20.2	1.50.2	1.00.2	5.00.2	1.4	2.20.2
SLDA72	7.00.2	2.00.2	1.00.2	0.50.2	2.20.2	1.50.2	1.00.2	6.00.2	1.4	2.20.2
SLDA81	8.00.2	1.00.2	1.00.2	0.50.2	1.50.2	1.50.2	1.00.2	7.00.2	1.4	1.50.2
SLDA92	9.00.2	2.00.2	1.00.2	0.50.2	2.20.2	1.50.2	1.00.2	8.00.2	1.4	2.20.2

TERINAL-CONFIGURATION

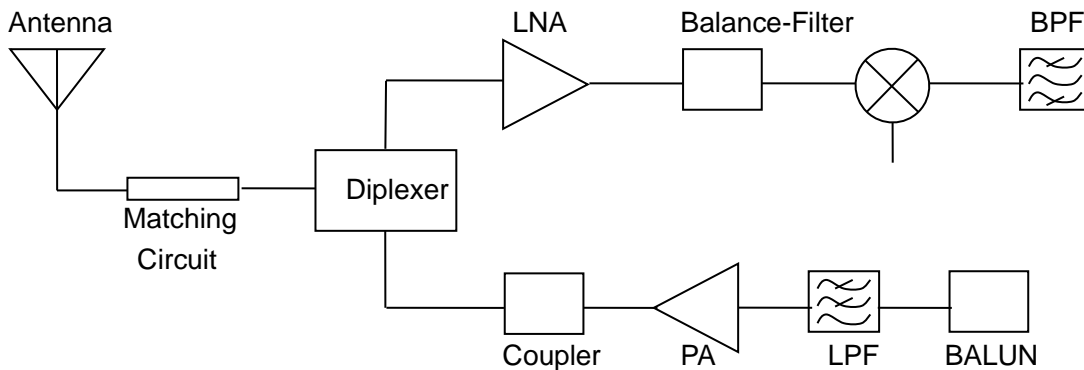


No.	Terminal Name	No.	Terminal Name
(1)	Feeding Point	(2)	NC

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		W
SLDA31-2R800G-S1TF	100	0.5dBi Typ.	-1dBi Typ.	<2	50	3
SLDA31-2R450G-S1TF	100	0.5dBi Typ.	-1dBi Typ.	<2	50	3
SLDA31-2R400G-S1TF	100	2.5dB @ (XZ-total)	-1.5dB @ (XZ-total)	<2	50	2
SLDA31-2R450G-S2TF	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		W
SLDA52-2R510G-S1TF	200	2.5dBi Typ.	0.5dBi Typ.	<2	50	
SLDA52-2R540G-S1TF	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		W
SLDA62-2R640G-01TF	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		W
SLDA72-2R470G-S1TF	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		W
SLDA81-3R010G-S1TF	200	2.0dBi Typ.	0.5dBi Typ.	<2	50	3

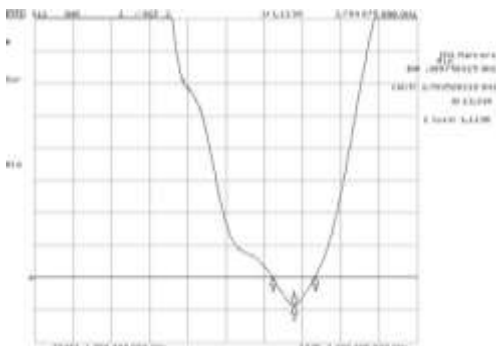
SLDA92 TYPE

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

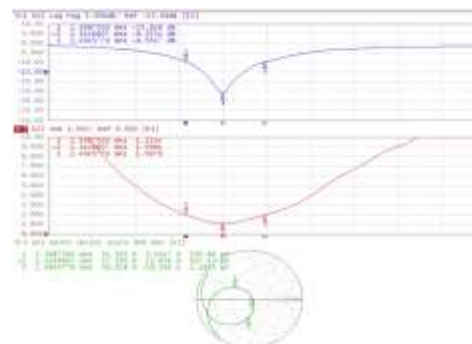
Frequency will be changed with layout of PCB. Please contact us for appropriate design.

RETURN LOSS

SLDA31-2R800G-S1TF



SLDA31-2R400G-S1TF

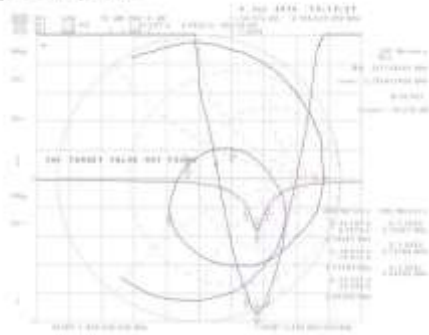


RETURN LOSS

SLDA31-2R450G-S1TF

Appendix 1

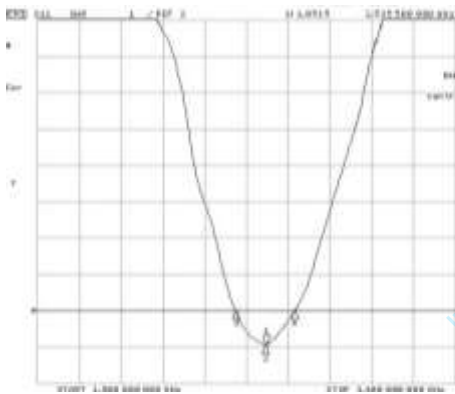
1 Without Matching circuit electrical performance



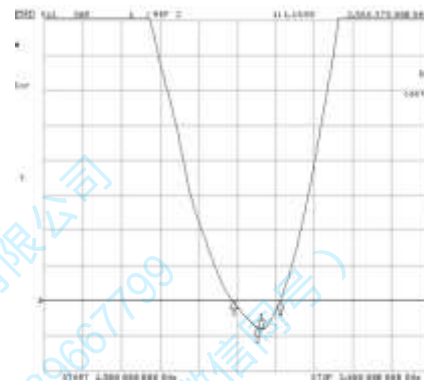
SLDA31-2R450G-S2TF



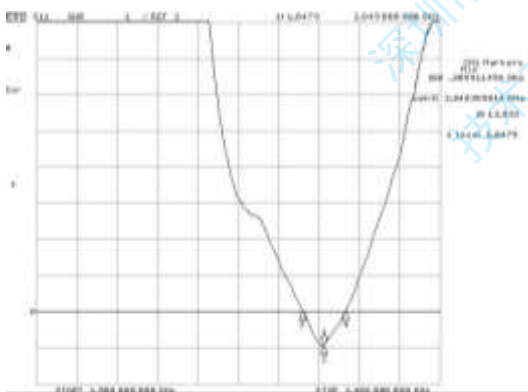
SLDA52-2R510G-S1TF



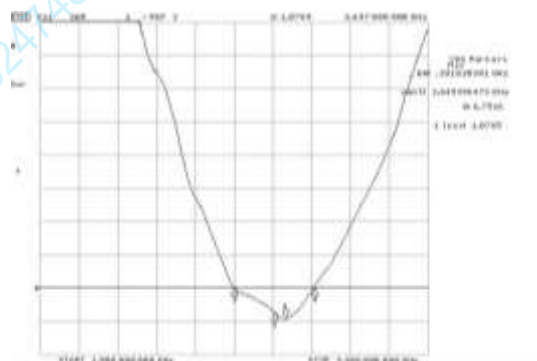
SLDA52-2R540G-S1TF



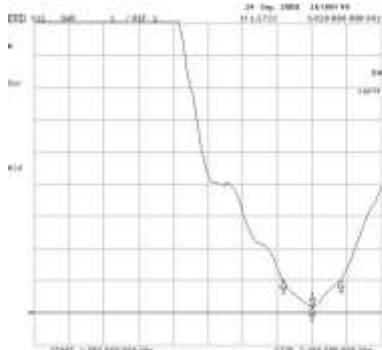
SLDA62-2R640G-01TF



SLDA72-2R470G-S1TF



SLDA81-3R010G-S1TF



SLDA92-2R660G-S1TF

