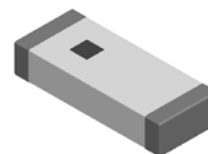


Multilayer Chip Antenna – SLDA Series

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

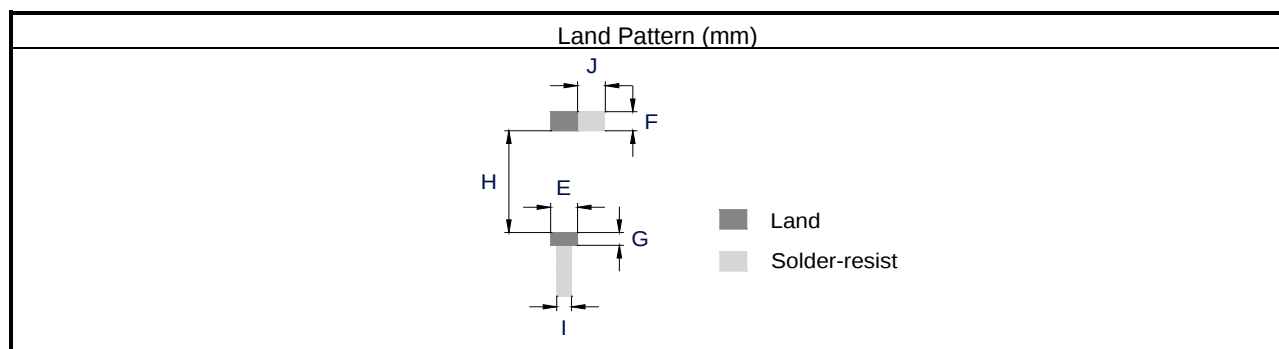
PRODUCT IDENTIFICATION

<u>SLDA</u> ①	<u>31</u> ②	<u>-2R800G</u> ③	<u>-S1</u> ④	<u>I</u> ⑤	<u>F</u> ⑥
①		②		③	
Type		(L×W) (mm)		Center Frequency	
SLDA	Multilayer Chip Antenna	External Dimensions (L×W) (mm)		Example	Nominal Value
		21	2.0×1.2	2R800G	2800.0MHz
		31	3.2×1.6	2R450G	2450.0MHz
		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		
④		⑤		⑥	
Series Code		Packing		Hazardous Substance Free Products	
S1, 01, etc.		T Tape & Reel		F	

SHAPE AND DIMENSIONS

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

SHAPE AND DIMENSIONS



SHAPE AND DIMENSIONS

Series	A	B	C	D	E	F	G	H	I	J
SLDA21	2.0±0.2	1.25±0.2	0.85±0.2	0.5±0.2	1.0±0.2	1.0±0.2	1.5±0.2	-	-	-
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

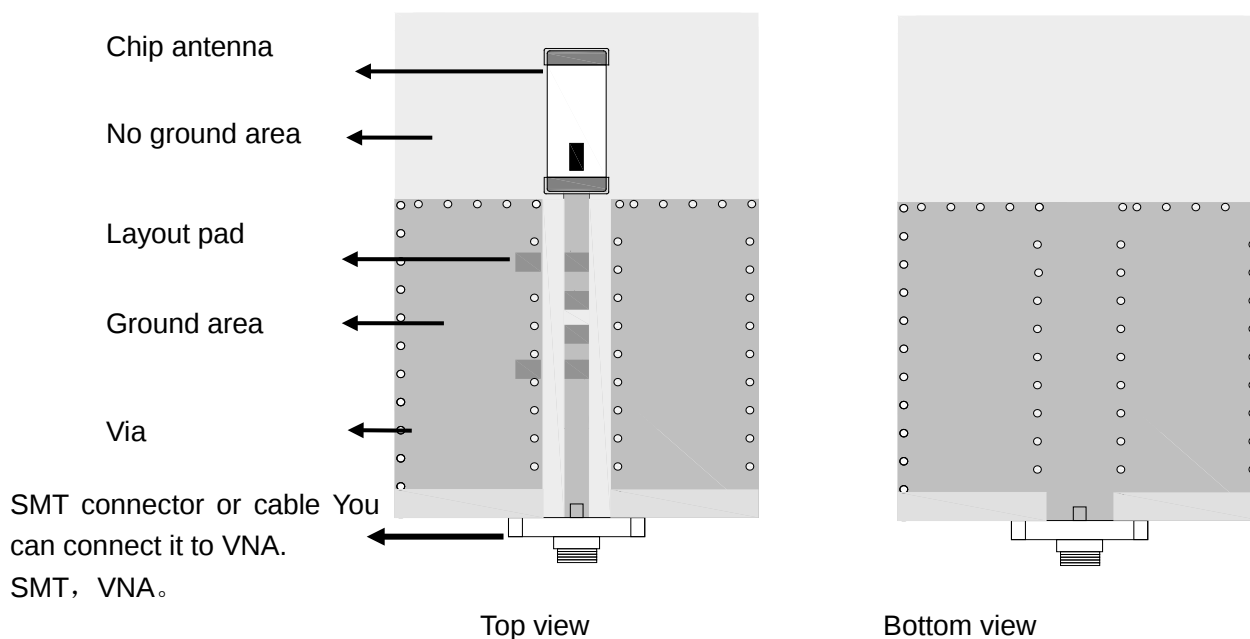
(1)



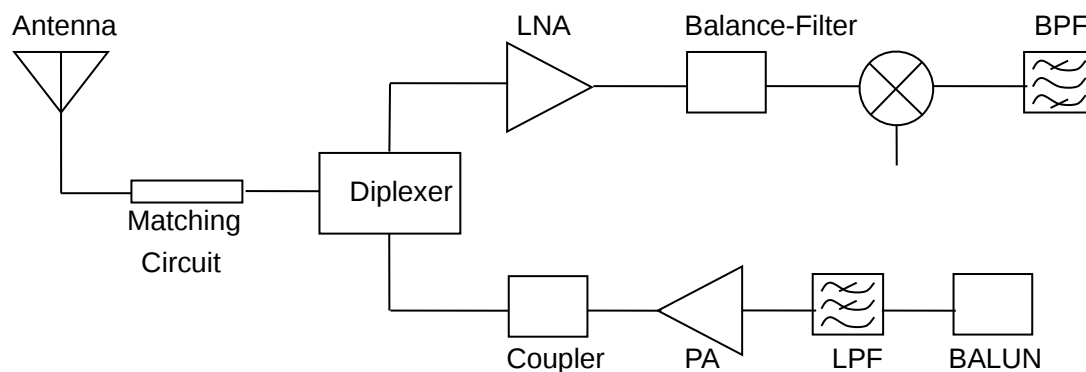
(2)

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

EVALUATION BOARD



APPLICATION GUIDE



SPECIFICATIONS

SLDA21 TYPE

Part Number	Band Width	Peak Gain	Average Gain	VSWR	Impedance	Power Capacity
	MHz	V-XZ	V-XZ	In BW	Ω	W
SLDA21-2R450G-S1TF	≥100	1.0dBi Typ.	-3.0dBi Typ.	<2.5	50	3

SLDA31 TYPE

Part Number	Band Width	Peak Gain	Average Gain	VSWR	Impedance	Power Capacity
	MHz	V-XZ	V-XZ	In BW	Ω	W
SLDA31-2R800G-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	Ω	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	Ω	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	Ω	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	Ω	W
SLDA81-3R010G-S1TF	≥200	2.0dBi Typ.	0.5dBi Typ.	<2	50	3

SPECIFICATIONS

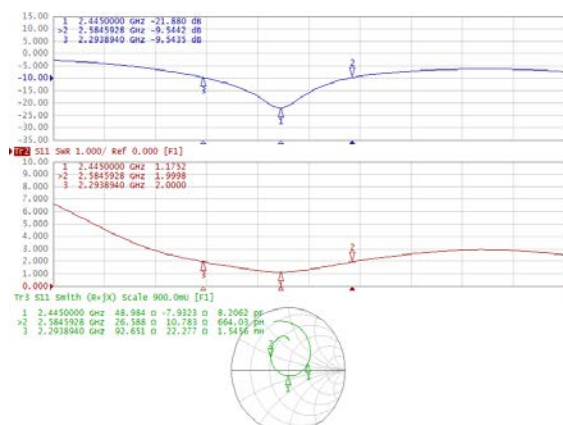
SLDA92 TYPE

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

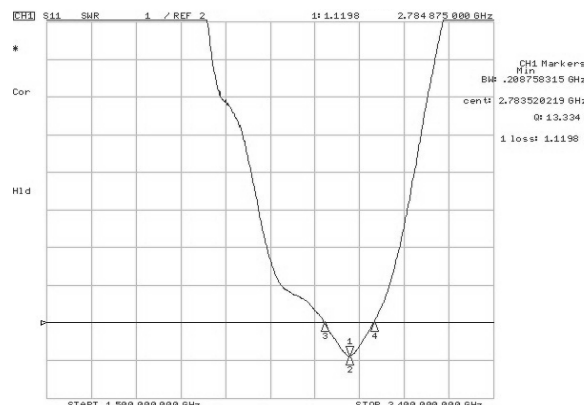
※Frequency will be changed with layout of PCB. Please contact us for appropriate design.

RETURN LOSS

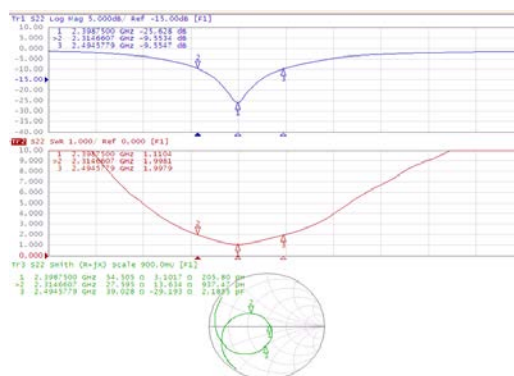
SLDA21-2R450G-S1TF



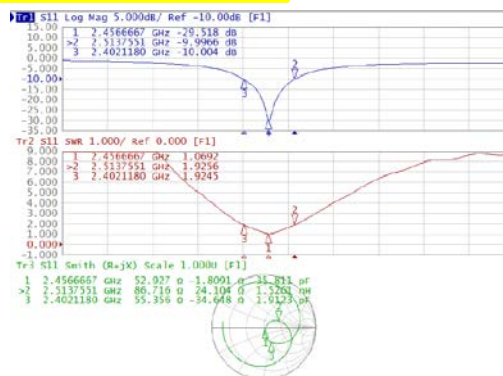
SLDA31-2R800G-S1TF



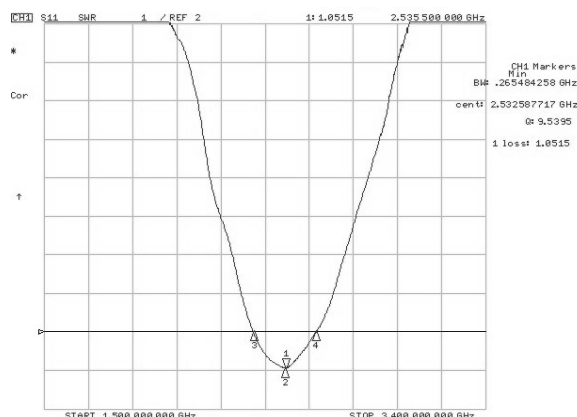
SLDA31-2R400G-S1TF



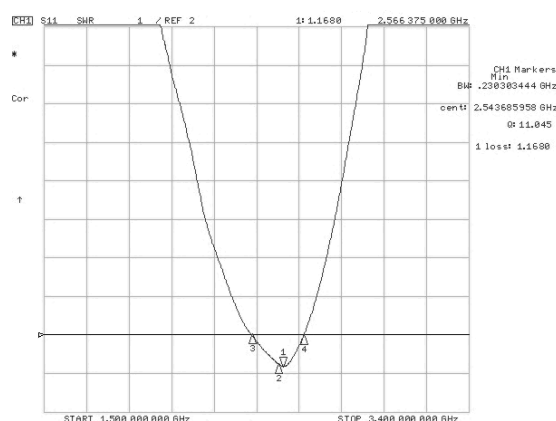
SLDA31-2R450G-S2TF



SLDA52-2R510G-S1TF

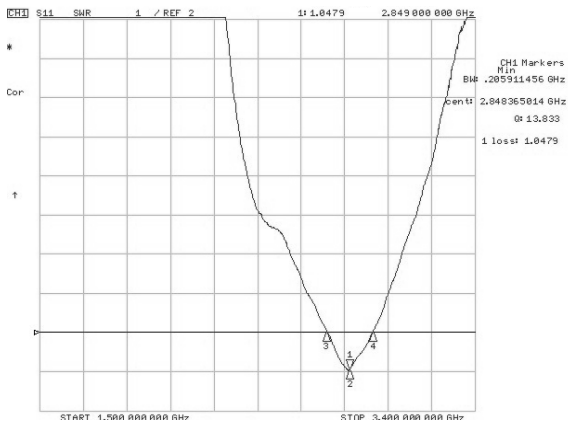


SLDA52-2R540G-S1TF

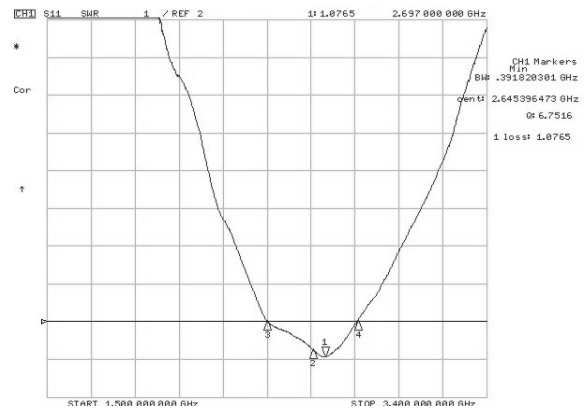


RETURN LOSS

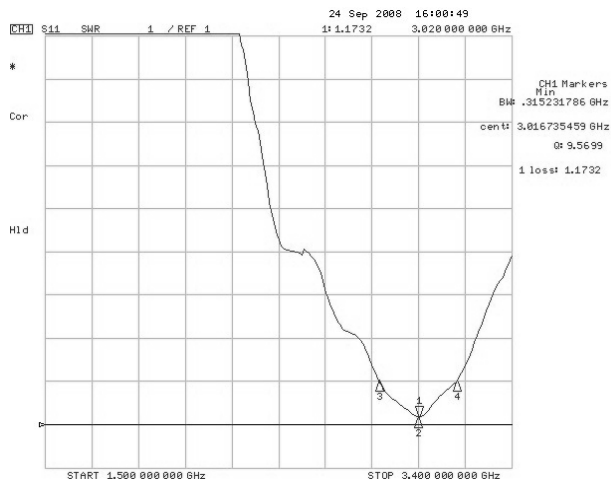
SLDA62-2R640G-01TF



SLDA72-2R470G-S1TF



SLDA81-3R010G-S1TF



SLDA92-2R660G-S1TF

