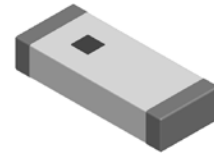


Multilayer Chip Antenna – SLDA Series

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

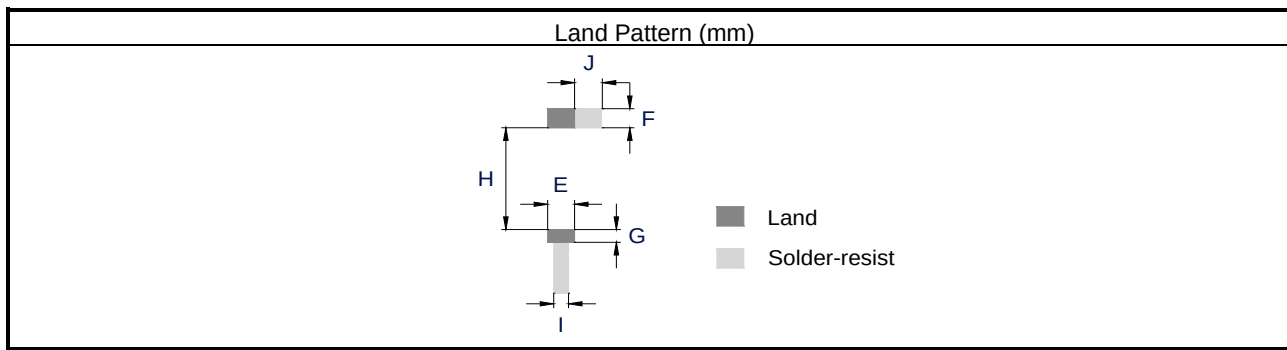
PRODUCT IDENTIFICATION

<u>SLDA</u> ①	<u>31</u> ②	<u>-2R800G</u> ③	<u>-S1</u> ④	<u>T</u> ⑤	<u>F</u> ⑥																															
①	②	②	③	⑤	⑥																															
<table><tr><th colspan="2">Type</th></tr><tr><td>SLDA</td><td>Multilayer Chip Antenna</td></tr></table>		Type		SLDA	Multilayer Chip Antenna	<table><tr><th colspan="2">(L×W) (mm)</th></tr><tr><th colspan="2">External Dimensions (L×W) (mm)</th></tr><tr><td>21</td><td>2.0×1.2</td></tr><tr><td>31</td><td>3.2×1.6</td></tr><tr><td>52</td><td>5.2×2.1</td></tr><tr><td>62</td><td>6.0×2.0</td></tr><tr><td>72</td><td>7.0×2.0</td></tr><tr><td>81</td><td>8.0×1.0</td></tr><tr><td>92</td><td>9.0×2.0</td></tr></table>		(L×W) (mm)		External Dimensions (L×W) (mm)		21	2.0×1.2	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	<table><tr><th colspan="2">Center Frequency</th></tr><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></table>			Center Frequency		Example	Nominal Value	2R800G	2800.0MHz	2R450G	2450.0MHz
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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

TERMINAL-CONFIGURATION

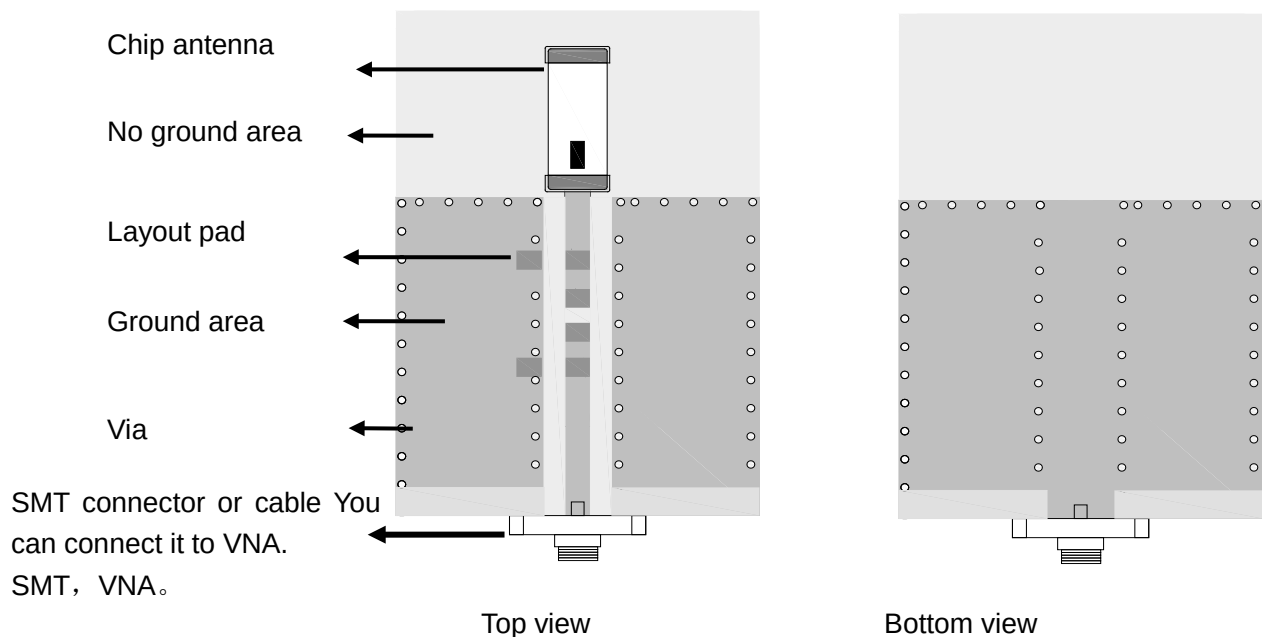
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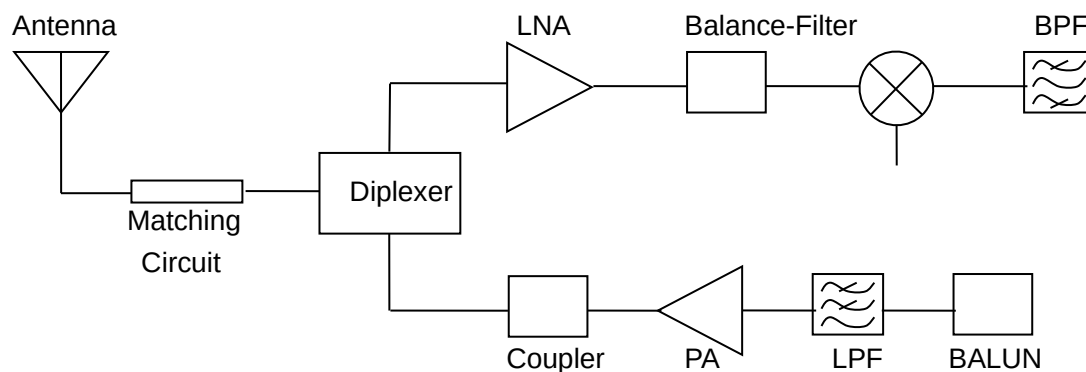
(2)

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

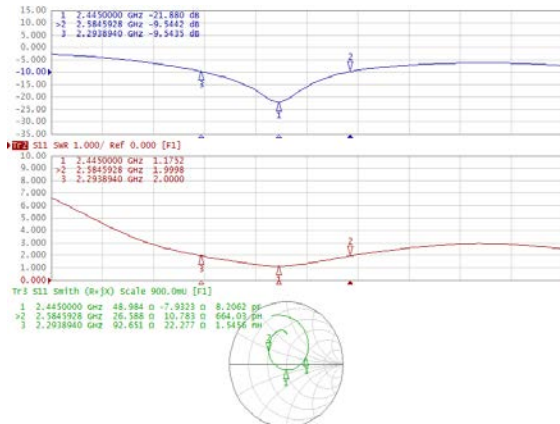
SLDA92 TYPE

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

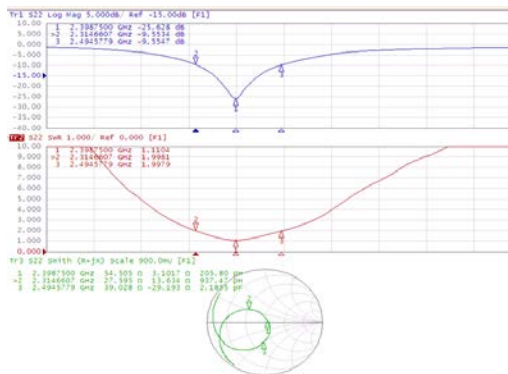
SLDA21-2R450G-S1TF



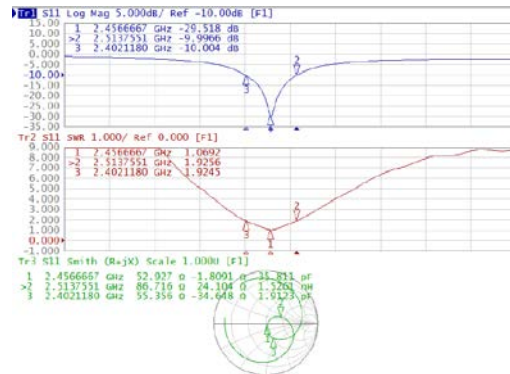
SLDA31-2R800G-S1TF



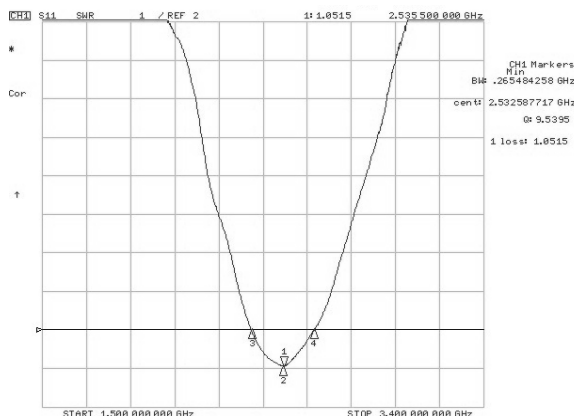
SLDA31-2R400G-S1TF



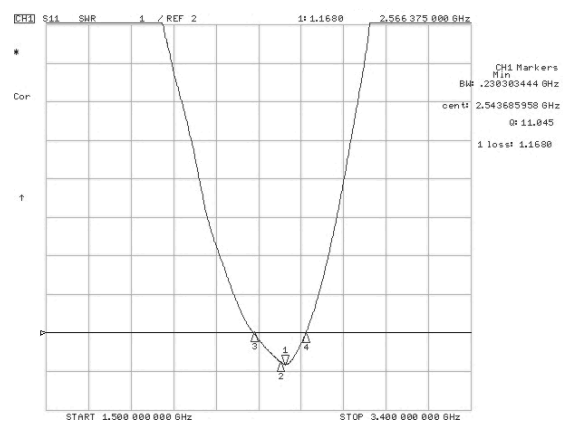
SLDA31-2R450G-S2TF



SLDA52-2R510G-S1TF



SLDA52-2R540G-S1TF



RETURN LOSS

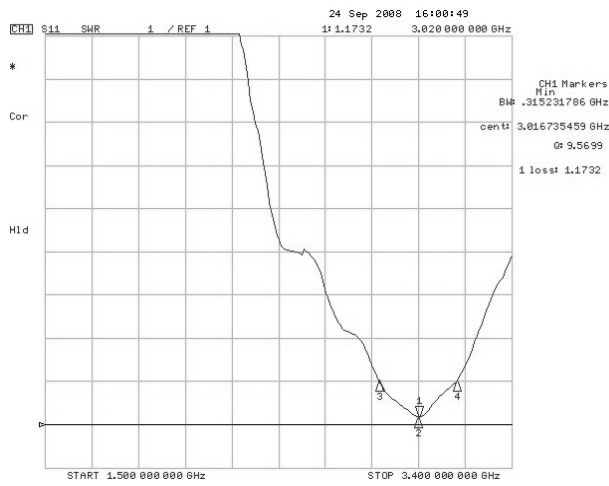
SLDA62-2R640G-01TF



SLDA72-2R470G-S1TF



SLDA81-3R010G-S1TF



SLDA92-2R660G-S1TF

