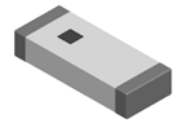


Multilayer Chip Antenna – SLDA Series

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

SHAPE AND LAND PATTERN

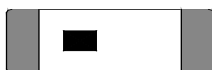
Type:	Dimensions (mm)
Type: SLDA21-2R450G-S1TF	Land Pattern (mm)

SHAPE AND DIMENSIONS

Series	A	B	C	D	E	F	G	H	I	J
SLDA31	3.2±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

TERINAL-CONFIGURATION

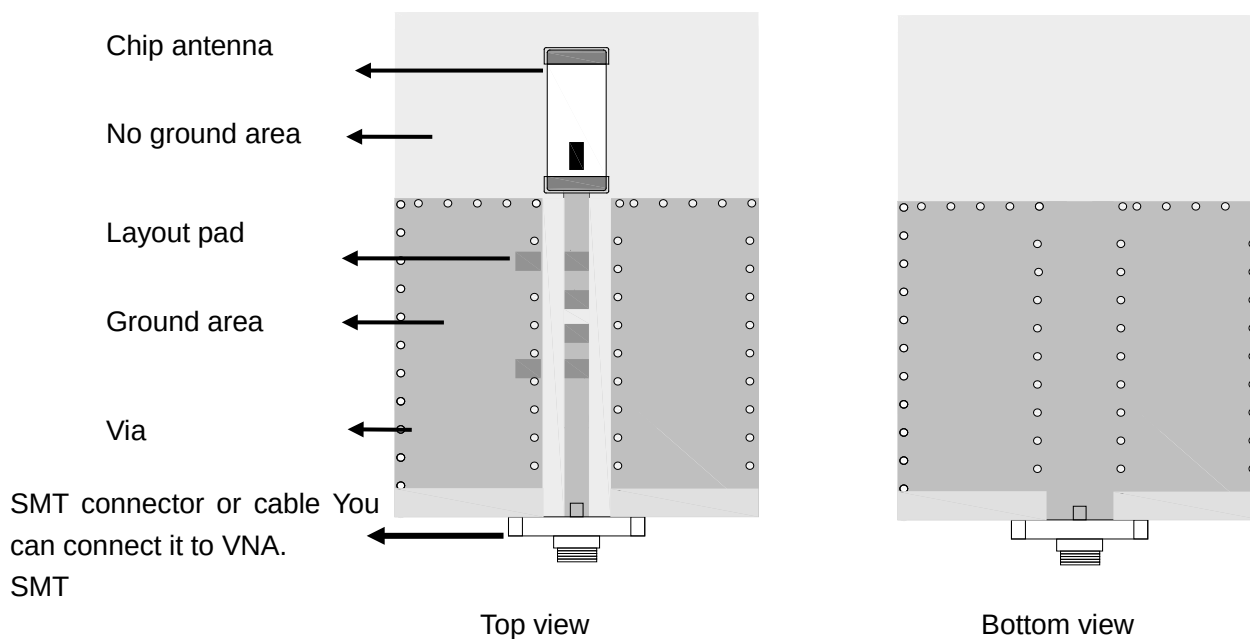
(1)



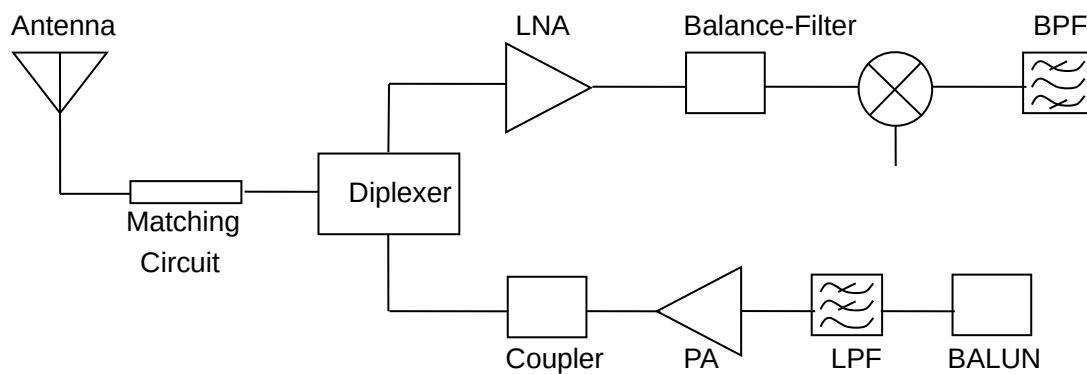
(2)

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

EVALUATION BOARD



APPLICATION GUIDE



SPECIFICATIONS

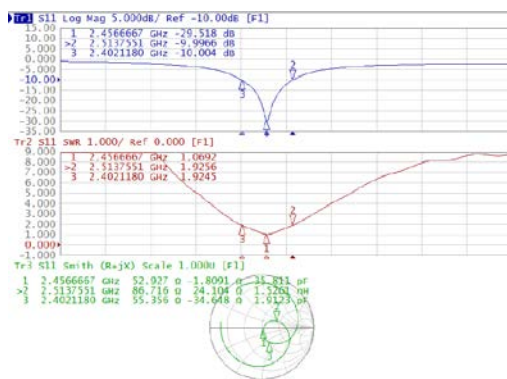
SLDA31 TYPE

Part Number	Band Width	Peak Gain	Average Gain	VSWR	Impedance	Power Capacity
	MHz	V-XZ	V-XZ	In BW	Ω	W
SLDA31-2R450G-S2TF	≥ 100	2.5dBi @ (XZ-total)	0.5dBi @ (XZ-total)	<2	50	2

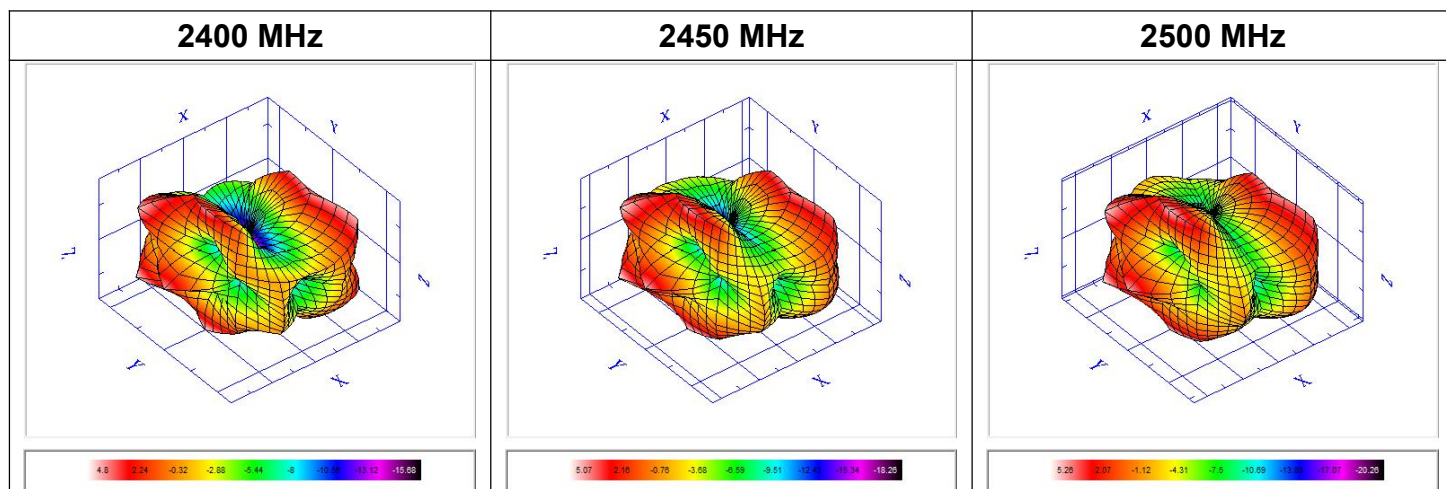
※Frequency will be changed with layout of PCB. Please contact us for appropriate design.

RETURN LOSS

SLDA31-2R450G-S2TF



Antenna - Radiation Pattern Test Data



Frequency	2400	2450	2500
NHPRP +/- 45 (degree)	-1.75	-2.03	-2.46
NHPRP +/- 30 (degree)	-2.87	-3.29	-3.74
E-Theta Peak Gain (dBi)	1.97	2.01	1.63
E-Phi Peak Gain (dBi)	2.04	2.4	2.24
E-Total Peak Gain (dBi)	2.08	2.5	2.33
Directivity (dBi)	2.08	2.5	2.33
Efficiency (%)	73.81	68.28	62.18