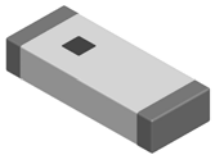
Multilayer Chip Antenna – SLDA Series

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
- RFID

PRODUCT IDENTIFICATION

SLDA	31	-2R800G	-S1	T	F
①	②	③	④	⑤	⑥

①

Type	
SLDA	Multilayer Chip Antenna

②

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
16030	16.0×3.0
35050	35.0×5.0

③

Center Frequency	
Example	Nominal Value
2R800G	2800.0MHz
2R470G	2470.0MHz
0R650G	650.0MHz

④

Series Code
S1, 01, etc.

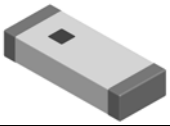
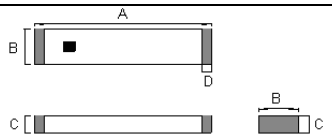
⑤

Packing	
T	Tape & Reel

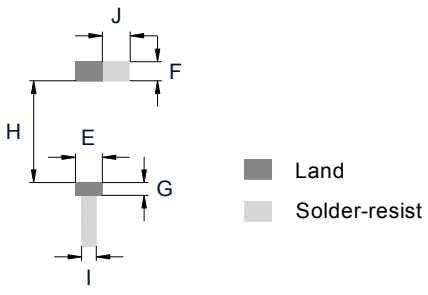
⑥

Hazardous Substance Free Products
F

SHAPE AND DIMENSIONS

Type:	Dimensions (mm)
	

Land Pattern (mm)



Sunlord Industrial Park, Dafuyuan Industrial Zone, Guanlan, Shenzhen, China 518110 **Tel**: 0086-755-29832660 **Fax**: 0086-755-82269029 **E-Mail**: sunlord@sunlordinc.com

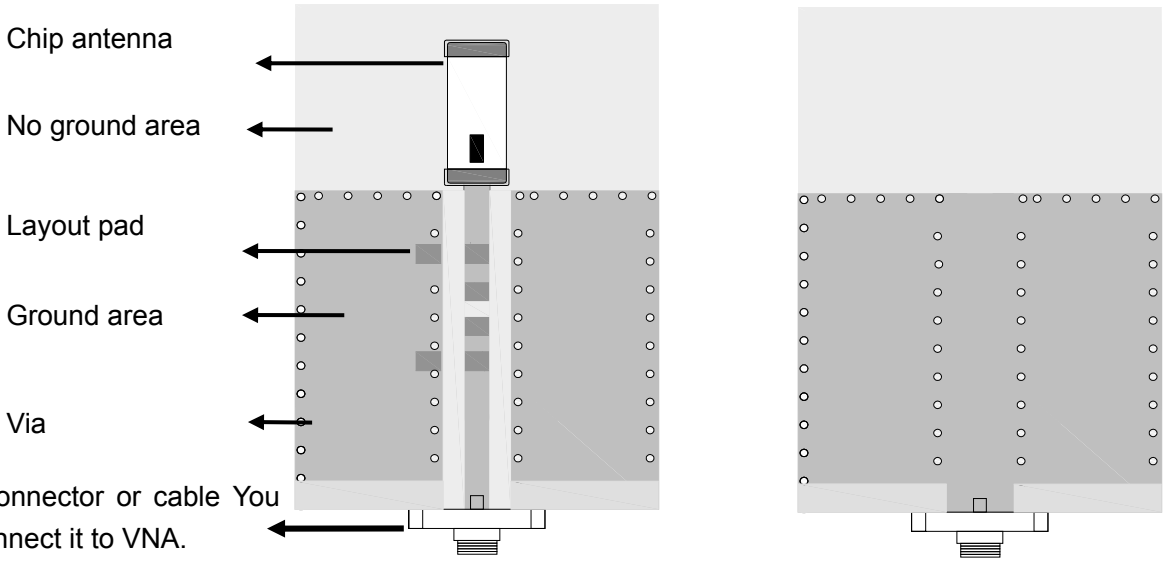
SHAPE AND DIMENSIONS

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	2.6±0.2	1.4	1.6±0.2
SLDA31-3R40 0G-S1TF	3.2±0.2	1.6±0.2	0.77±0.03	0.5±0.2	1.6±0.2	0.8±0.2	0.8±0.2	2.6±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
SDLA62	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
SLDA16030	16.9±0.4	3.0±0.3	2.0±0.3	1.0±0.2	3.0±0.3	1.5±0.3	1.0±0.3	16.0±0.3	1.4	3.2±0.2
SLDA35050	35.0±0.2	5.0±0.2	1.0±0.2	1.0±0.2	5.2±0.2	1.5±0.2	1.0±0.2	33.0±0.2	1.4	5.2±0.2

TERINAL-CONFIGURATION

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

EVALUATION BOARD

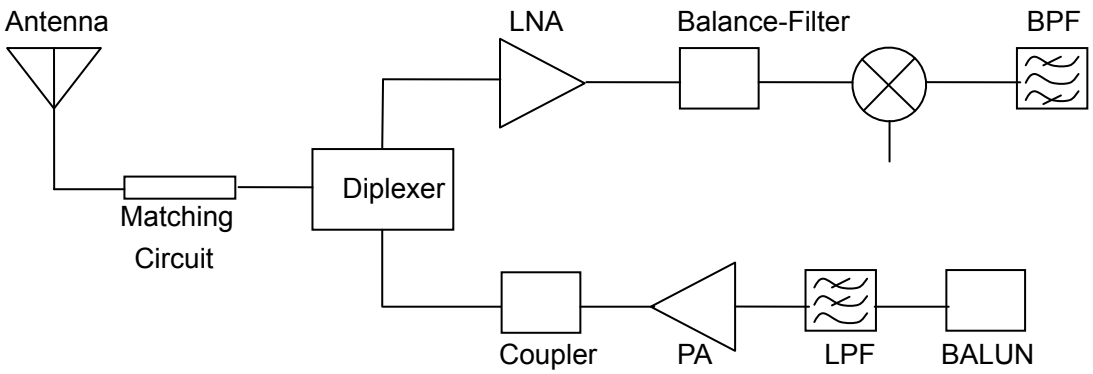


SMT connector or cable You can connect it to VNA.
SMT，VNA。

Top view

Bottom view

APPLICATION GUIDE



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SPECIFICATIONS

SLDA31 TYPE

Part Number	Band Width	Peak Gain	Average Gain	VSWR	Impedance	Power Capacity
	MHz	V-XZ	V-XZ	In BW	Ω	W
SLDA31-2R800G-S1TF	≥100	0.5dBi Typ.	-1dBi Typ.	<2	50	3
SLDA31-3R400G-S1TF	≥100	0.5dBi Typ.	-1dBi Typ.	<2	50	3

SLDA52 TYPE

Part Number	Band Width	Peak Gain	Average Gain	VSWR	Impedance	Power Capacity
	MHz	V-XZ	V-XZ	In BW	Ω	W
SLDA52-2R350G-S1TF	≥150	2.5dBi Typ.	0.5dBi Typ.	<2	50	3
SLDA52-2R510G-S1TF	≥200	2.5dBi Typ.	0.5dBi Typ.	<2	50	
SLDA52-2R540G-S1TF	≥200	2.5dBi Typ.	0.5dBi Typ.	<2	50	
SLDA52-2R710G-S1TF	≥200	2.5dBi Typ.	0.5dBi Typ.	<2	50	
SLDA52-2R780G-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
SLDA72-2R860G-02TF	≥200	2.7dBi Typ.	1.0dBi Typ.	<2	50	

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

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

SLDA16030 TYPE

Part Number	Band Width	Peak Gain		VSWR	Impedance	Power Capacity
	MHz	V-XZ		In BW	Ω	W
SLDA16030-0R433G-S1TF	≥20	3.0dBi Typ.	1.0dBi Typ.	<2	50	3

SLDA35050 TYPE

Part Number	Band Width	Peak Gain		VSWR	Impedance	Power Capacity
	MHz	V-XZ		In BW	Ω	W
SLDA35050-0R650G-S1TF	≥50	-2.0dBi Typ. (710MHz)	-7.0dBi Typ. (474MHz)	<3	50	3

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

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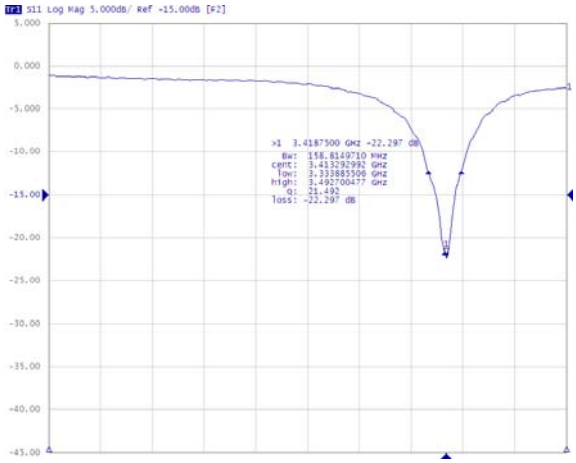
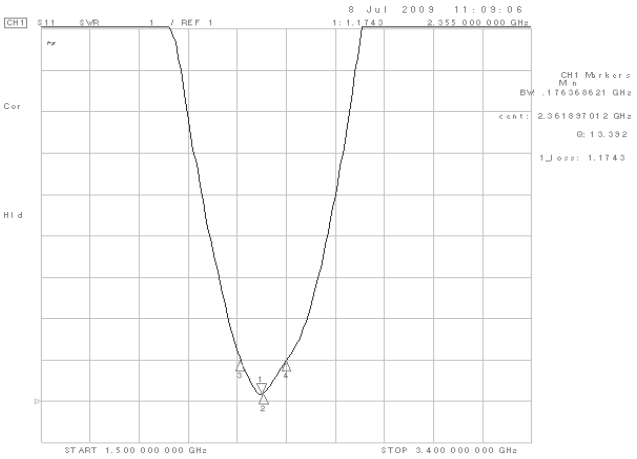
RETURN LOSS

SLDA31-2R800G-S1TF

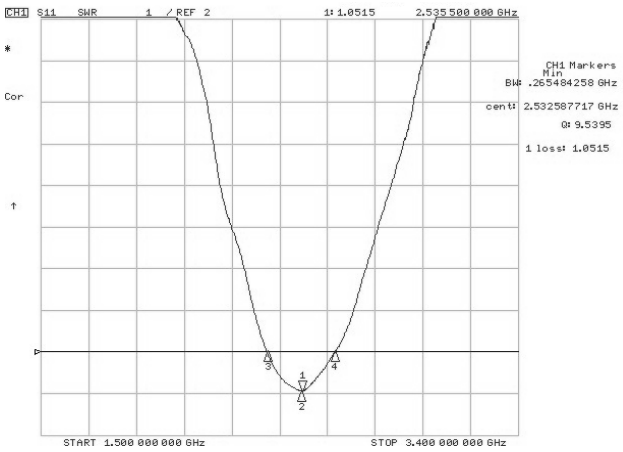
SLDA31-3R400G-S1TF



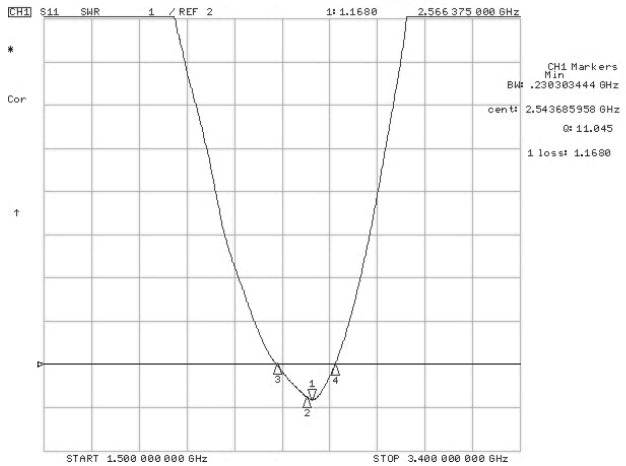
SLDA52-2R350G-S1TF



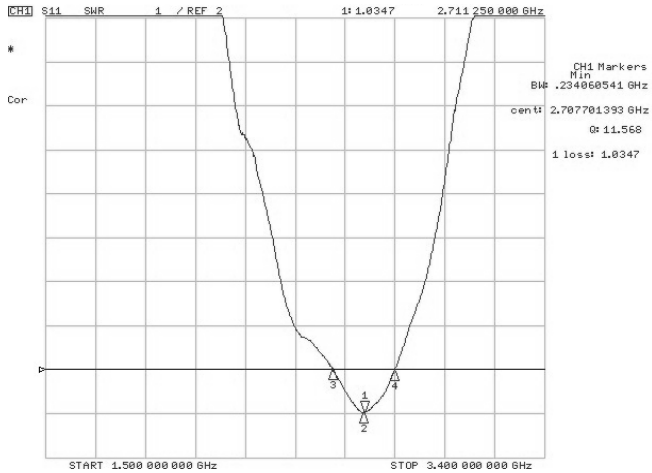
SLDA52-2R510G-S1TF



SLDA52-2R540G-S1TF



SLDA52-2R710G-S1TF



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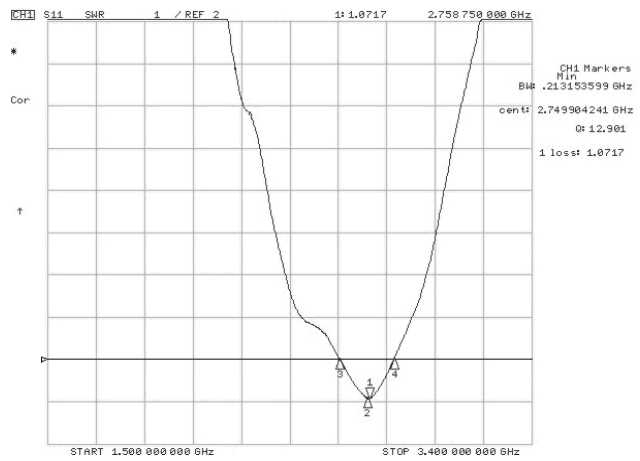
RETURN LOSS

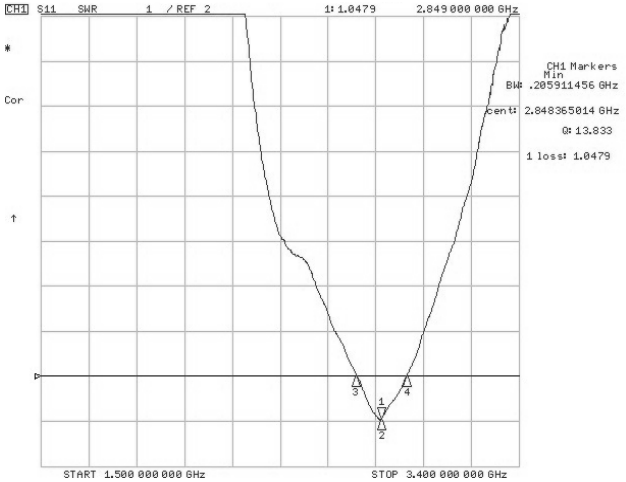
SLDA52-2R780G-S1TF



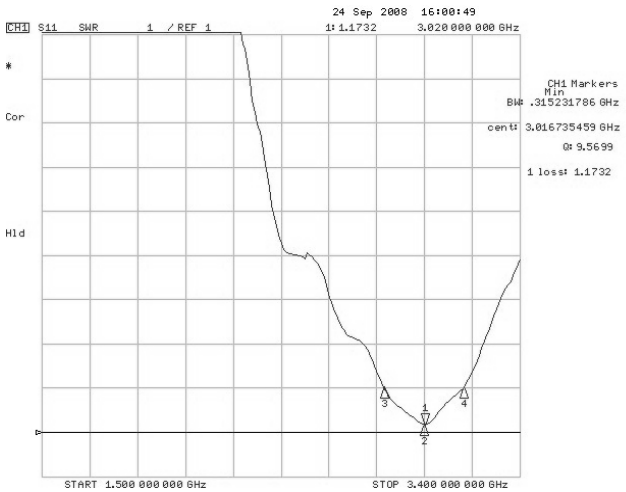
SLDA62-2R640G-01TF

SLDA72-2R470G-S1TF

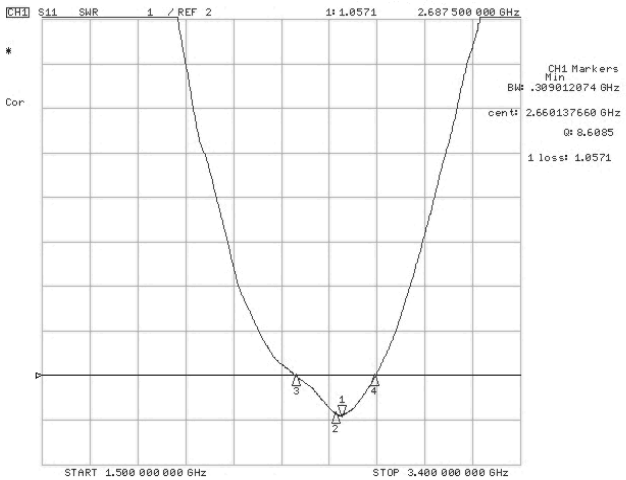
SLDA72-2R860G-02TF



SLDA81-3R010G-S1TF



SLDA92-2R660G-S1TF



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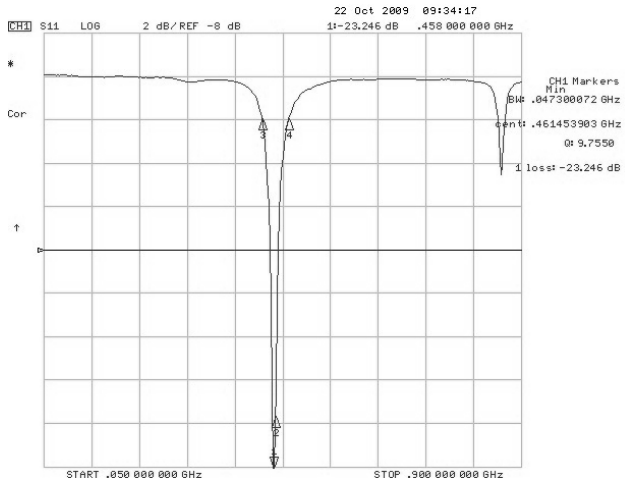
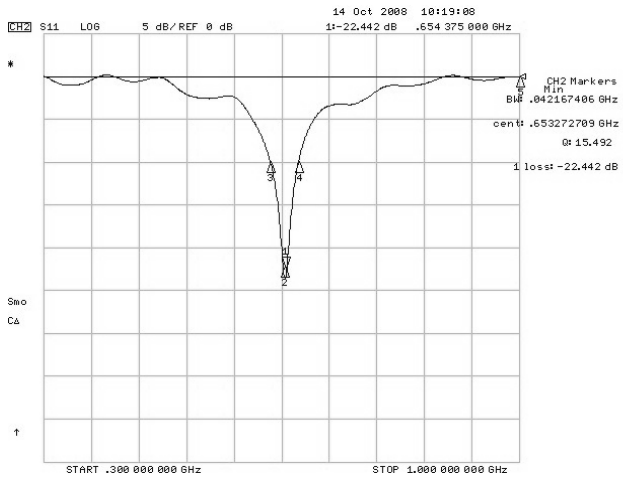
RETURN LOSS

SLDA16030-0R433G-S1TF



SLDA35050-0R650G-S1TF



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