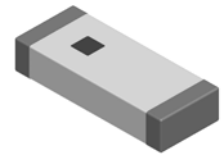


Multilayer Chip Antenna – SLDA Series

Operating Temp. : -40°C~+85°C



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

<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	④	⑤	⑥																																										
<table border="1"> <tr><th colspan="2">Type</th></tr> <tr><td>SLDA</td><td>Multilayer Chip Antenna</td></tr> </table>	Type		SLDA	Multilayer Chip Antenna	<table border="1"> <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><u>81</u></td><td><u>8.0×1.0</u></td></tr> <tr><td>92</td><td>9.0×2.0</td></tr> <tr><td>16030</td><td>16.0×3.0</td></tr> <tr><td>35050</td><td>35.0×5.0</td></tr> <tr><td>50040</td><td>50.0×4.0</td></tr> </table>	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	<u>81</u>	<u>8.0×1.0</u>	92	9.0×2.0	16030	16.0×3.0	35050	35.0×5.0	50040	50.0×4.0	<table border="1"> <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>2R470G</td><td>2470.0MHz</td></tr> <tr><td>0R650G</td><td>650.0MHz</td></tr> </table>	Center Frequency		Example	Nominal Value	2R800G	2800.0MHz	2R470G	2470.0MHz	0R650G	650.0MHz	<table border="1"> <tr><th>Series Code</th></tr> <tr><td><u>S1</u>, 01, etc.</td></tr> </table>	Series Code	<u>S1</u> , 01, etc.	<table border="1"> <tr><th>Packing</th></tr> <tr><td>T Tape & Reel</td></tr> </table>	Packing	T Tape & Reel	<table border="1"> <tr><th>Hazardous Substance Free Products</th></tr> <tr><td>F</td></tr> </table>	Hazardous Substance Free Products	F
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SHAPE AND DIMENSIONS

Type:	Dimensions (mm)
Land Pattern (mm)	

SHAPE AND DIMENSIONS

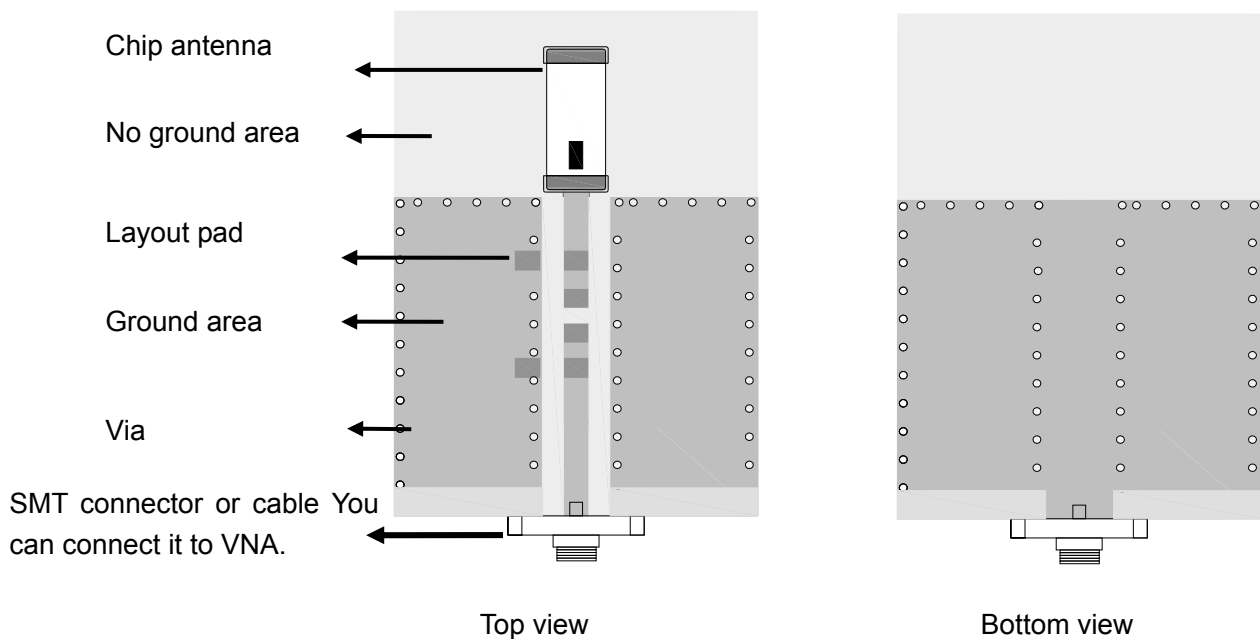
Series	A	B	C	D	E	F	G	H	I	J
SLDA21	2.0±0.2	1.25±0.2	0.85±0.2	0.5±0.2	1.3±0.2	1.0±0.2	0.8±0.2	1.0±0.2	1.4	1.3±0.2
SLDA31	3.2±0.2	1.6±0.2	1.2±0.2	0.5±0.2	1.6±0.2	0.8±0.2	0.8±0.2	2.6±0.2	1.4	1.6±0.2
SLDA52	5.2±0.2	2.1±0.2	1.0±0.2	0.5±0.2	2.3±0.2	1.5±0.2	1.0±0.2	4.0±0.2	1.4	2.3±0.2
SDLA62	6.0±0.2	2.0±0.2	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	16.0±0.4	3.0±0.2	2.0±0.2	0.5±0.2	3.2±0.2	1.5±0.2	1.0±0.2	15.0±0.2	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
SLDA50040	50.0±0.5	4.0±0.5	1.0±0.2	1.0±0.2	4.2±0.2	1.5±0.2	1.0±0.2	48.0±0.2	1.4	4.2±0.2

TERMINAL-CONFIGURATION

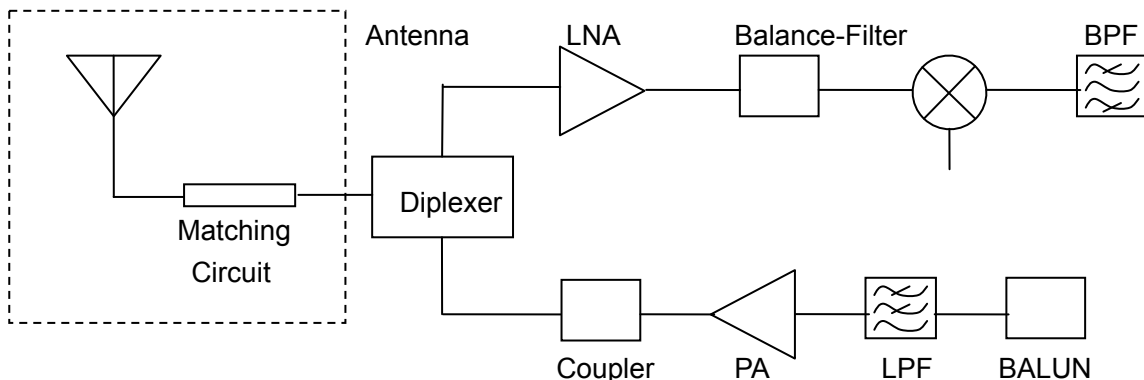


No.	Terminal Name	No.	Terminal Name
(1)	Feeding Point	(2)	NC

EVALUATION BOARD



APPLICATION GUIDE



Sunlord

Specifications subject to change without notice. Please check our website for latest information. Revised 2012/05/10

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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	-3.0dBi Typ.	-8.0dBi 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

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

SPECIFICATIONS

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

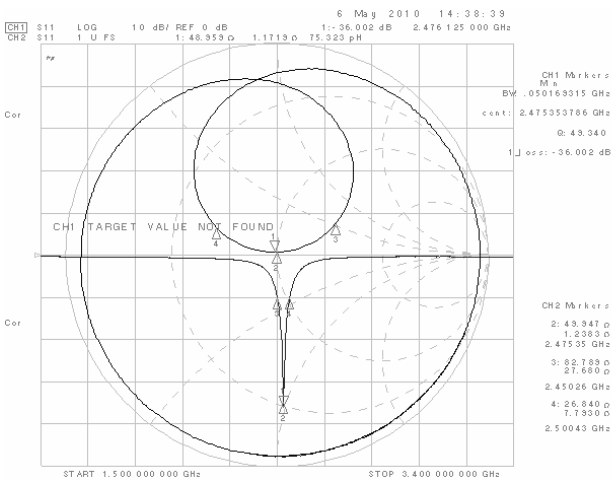
SLDA50040 TYPE

Part Number	Band Width	Peak Gain		VSWR	Impedance	Power Capacity
	MHz	V-XZ		In BW	Ω	W
SLDA50040-0R650G-S1TF	474-862	-6.0 dBi (862 MHz).	-3.0 dBi (474 MHz)	<5	50	3

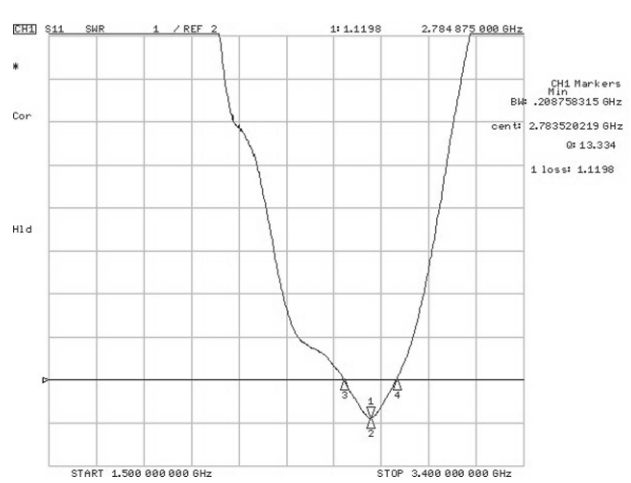
※Frequency will be changed with layout of PCB. Please contact us for appropriate design.

RETURN LOSS

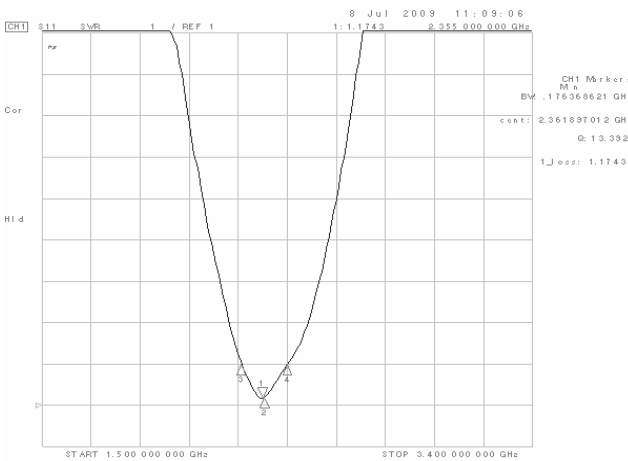
SLDA21-2R450G-S1TF



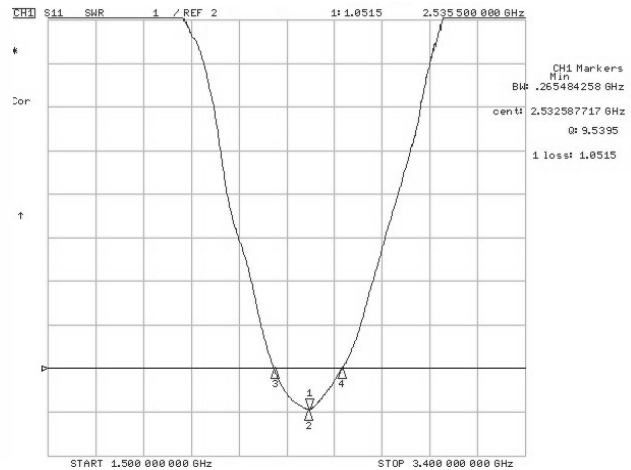
SLDA31-2R800G-S1TF



SLDA52-2R350G-S1TF

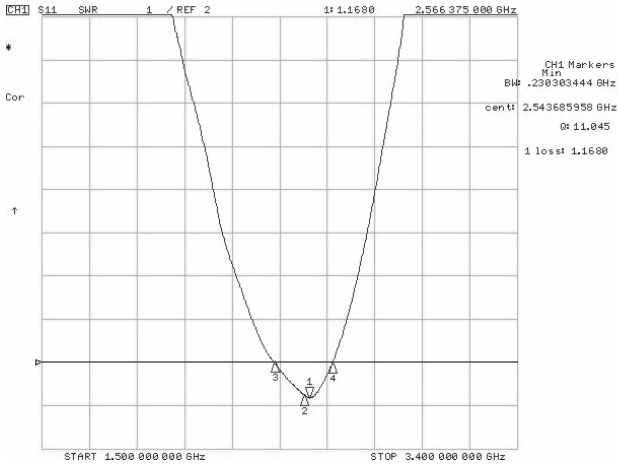


SLDA52-2R510G-S1TF

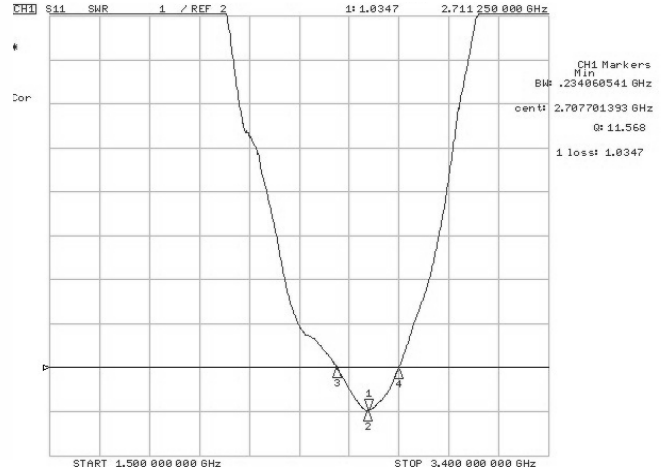


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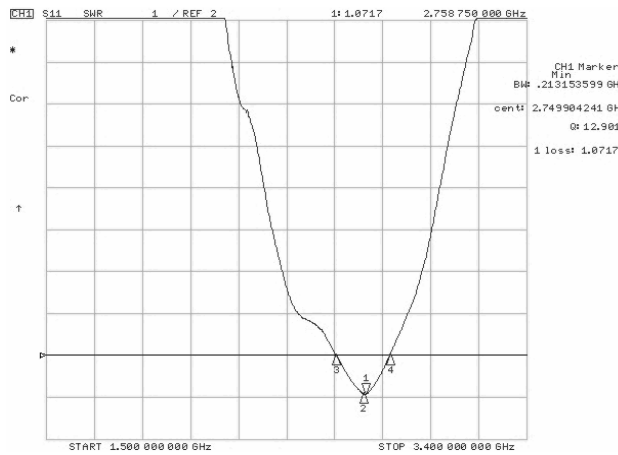
SLDA52-2R540G-S1TF



SLDA52-2R710G-S1TF



SLDA52-2R780G-S1TF



SLDA62-2R640G-01TF



SLDA72-2R470G-S1TF

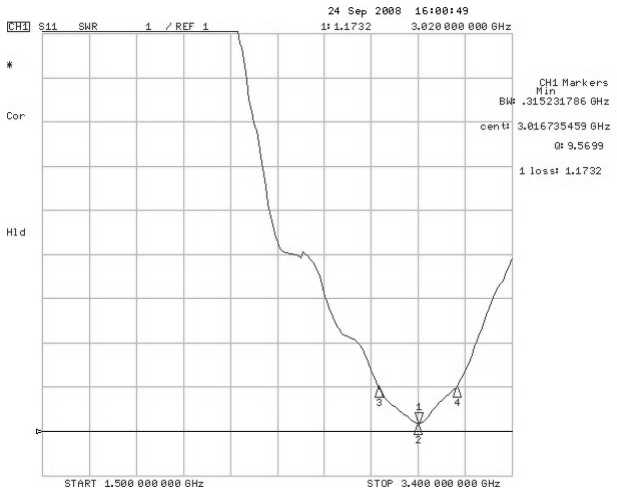


SLDA72-2R860G-S1TF

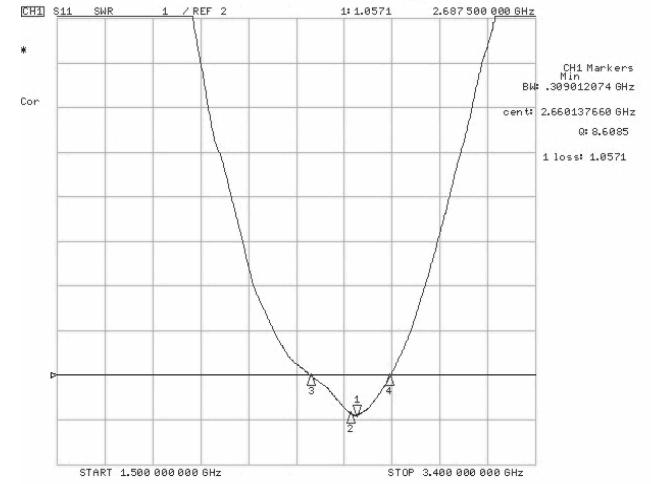


RETURN LOSS

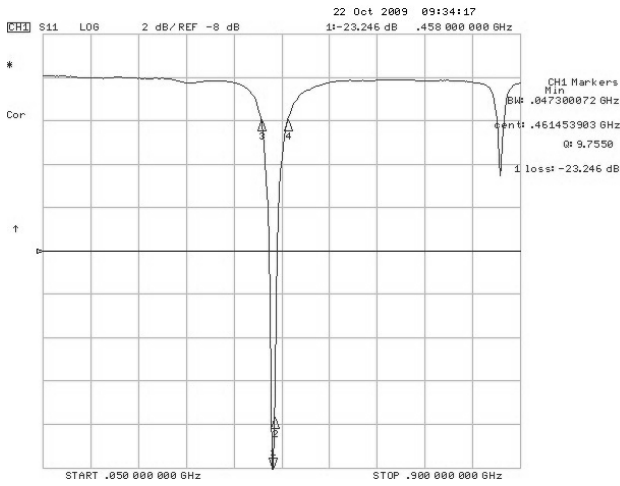
SLDA81-3R010G-S1TF



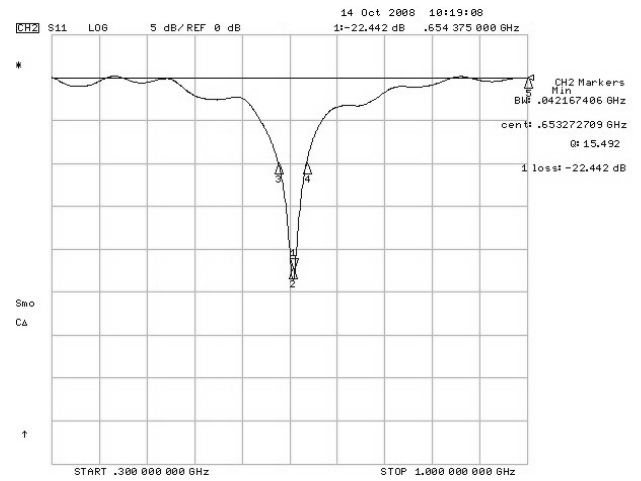
SLDA92-2R660G-S1TF



SLDA16030-0R433G-S1TF



SLDA35050-0R650G-S1TF



SLDA50040-0R650G-S1TF

