

SL series



Features

- ★ Low profile
- ★ Large permissible ripple current
- ★ Low ESR at high frequency range & Large permissible ripple current

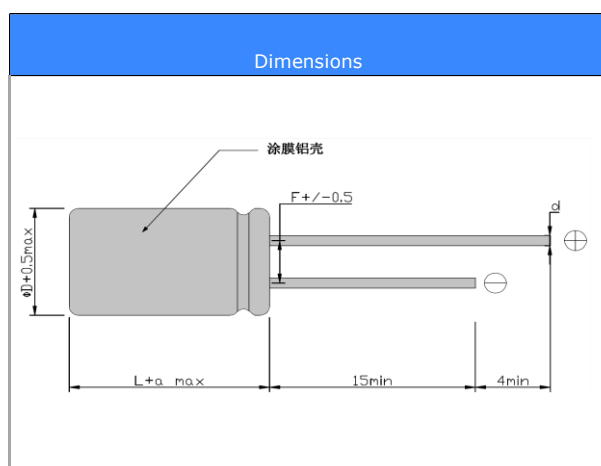
适用于DC-DC转换器、通讯电源、机顶盒、路由器、TV、电压调节器、手机适配器（手机充电器）、电脑主板和显卡。

Specifications

item	Performance Characteristics	
Operating Temperature Range	-55~+105℃	
Rated Voltage Range	2.5~100vdc	
Capacitance Tolerance	±20%(120Hz,+20℃)	
Leakage Current(+20℃,max)	≤150(uA,after 2 minutes)	
Dissipation Factor(tanδ,at 20℃,120Hz)	Not exceed the value specified	
ESR(100KHz)	Not exceed the value specified	
Endurance 105℃,2000h,at rated voltage	Capacitance Change	Within ±20% of the value before test
	Leakage Current	Not exceed the value specified
	ESR	Not exceed 150% of the value specified
	Dissipation Factor	Not exceed 150% of the value specified
Moisture Resistance Stored at 60℃,RH90~95%,1000h	Capacitance Change	Within ±20% of the value before test
	Leakage Current	Not exceed the value specified
	ESR	Not exceed 150% of the value specified
	Dissipation Factor	Not exceed 150% of the value specified

Frequency Coefficient for Ripple Current

Frequency	120Hz≤freq.<1KHz	1KHz≤freq.<10KHz	10KHz≤freq.<100KHz	100KHz≤freq.<300KHz
Coefficient	0.05	0.3	0.7	1



Size

Unit: mm

ΦDXL	ΦD+0.5 max.	a	F±0.5	Φd±0.05	
5X7/8	5	1	2	0.45/0.5	
5X9/10	5	1	2	0.5	
5X9E/10E /11E	5.5	1	2.5	0.5	
6.3X7/8/9	6.3	1	2.5	0.5/0.6	
6.3X11/12	6.3	1	2.5	0.5/0.6	
8X7/8	8	1	3.5	0.6	
8X8P/11P /12P	8	1.5	2.5	0.6	
8X11.5/12.5 /15	8	1.5	3.5	0.6	
10X12.5/13.5/15	10	1.5	5	0.6	

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Dimensions & Characteristics

Ripple Current(mA,rms) at 105°C,100KHz

W.V (V)	Capacitance (uF)	LC. (uA,2min)	tgδ (120Hz,20°C)	ESR (mΩ,100KHz)	Rated Ripple Current (mA,rms)	Size ΦDXL(mm)	Part Number
6.3	270	150	8	15	2690	5X7	SL277M6R3C07C0
6.3	390	150	8	15	4100	5X9	SL397M6R3C0900
6.3	450	150	8	15	4700	6.3X8	SL457M6R3E0800
6.3	500	150	8	15	4100	5.5X9	SL507M6R3C09E0
6.3	560	150	8	15	4700	6.3X9	SL567M6R3E0900
6.3	680	150	8	15	4500	5.5X11	SL687M6R3C11E0
6.3	680	150	8	15	4700	6.3X9	SL687M6R3E0900
6.3	820	150	8	15	4500	5.5X11	SL827M6R3C11E0
6.3	820	150	8	15	4500	6.3X9	SL827M6R3E0900
6.3	820	150	8	15	4700	8X11.5	SL827M6R3F1150
6.3	820	150	8	15	4700	8X8	SL827M6R3F0800
6.3	1000	150	8	15	4700	8X8	SL108M6R3F0800
6.3	1500	150	8	15	4700	8X11.5	SL158M6R3F1150
6.8	500	150	8	20	4100	5.5X9	SL507M6R8C09E0
7.5	390	150	8	20	4100	5X9	SL397M7R5C0900
7.5	500	150	8	20	4100	5.5X9	SL507M7R5C09E0
7.5	680	150	8	20	4700	6.3X8	SL687M7R5E08D0
10	560	150	8	15	5000	6.3X12	SL567M010E1200
10	560	150	8	15	5000	8X8	SL567M010F0800
10	680	150	8	15	5800	8X11.5	SL687M010F1150
10	1000	150	8	15	5800	8X11.5	SL108M010F1150
12	470	150	8	20	4100	6.3X9	SL477M012E0900
12	560	150	8	20	4100	5.5X11	SL567M012C11E0
12	560	150	8	20	4100	6.3X9	SL567M012E09D0
12	680	150	8	20	5600	8X8	SL687M012F0800
14	560	150	8	20	4100	6.3X9	SL567M014E09D0
14	680	150	8	20	4100	6.3X12	SL687M014E12D0
16	180	150	8	20	2690	5X8	SL187M016C0800
16	220	150	8	20	4100	6.3X8	SL227M016E0800
16	220	150	8	20	4300	8X8	SL227M016F0800
16	270	150	8	20	3500	6.3X9	SL277M016E0900
16	330	150	8	20	4100	6.3X11	SL337M016E1100
16	330	150	8	20	4100	6.3X9	SL337M016E0900
16	470	150	8	20	4100	6.3X11.5	SL477M016E1150
16	470	150	8	20	4500	8X8	SL477M016F0800
16	560	150	8	20	4100	6.3X12	SL567M016E12D0
16	680	150	8	20	4500	8X11.5	SL687M016F1150

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28	400	150	10	28	2600	10X12.5	SL407M028G1250
30	470	150	10	28	2600	8X15	SL477M030F1500
35	10	150	10	100	2000	5X7	SL106M035C07C0
35	22	150	10	60	2600	6.3X8	SL226M035E0800
35	33	150	12	60	2600	5X9	SL336M035C0900
35	47	150	10	40	2600	6.3X7	SL476M035E0700
35	47	150	10	40	2600	6.3X8	SL476M035E0800
35	100	150	10	40	2600	5.5X9	SL107M035C09E0
35	100	150	10	40	2600	6.3X7	SL107M035E07D0
35	100	150	10	35	2600	6.3X8	SL107M035E0800
35	100	150	10	35	2980	6.3X9	SL107M035E0900
35	100	150	12	35	3800	8X8	SL107M035F0800
35	220	150	10	28	2980	6.3X12	SL227M035E12D0
35	220	150	10	28	3800	8X11.5	SL227M035F1150
35	330	150	10	28	3800	8X12.5	SL337M035F1250
35	330	150	10	28	3800	10X12.5	SL337M035G1250
35	470	150	10	28	3800	8X15	SL477M035F1500
35	470	150	10	28	3800	10X12.5	SL477M035G1250
35	680	150	10	28	3800	10X15	SL687M035G1500
35	820	150	10	28	3800	10X15	SL827M035G1500
35	1000	150	10	28	3800	10X20	SL108M035G2000
50	4.7	150	10	60	2600	5X7	SL475M050C07C0
50	10	150	10	60	2600	5X8	SL106M050C0800
50	22	150	10	45	2600	6.3X8	SL226M050E0800
50	39	150	10	45	2600	6.3X8	SL396M050E0800
50	47	150	10	45	2600	6.3X8	SL476M050E08D0
50	68	150	10	45	2600	6.3X9	SL686M050E0900
50	100	150	10	45	2900	8X11.5	SL107M050F1150
50	220	150	10	45	2900	8X12.5	SL227M050F1250
50	220	150	10	45	2900	8X15	SL227M050F1500
50	220	150	10	45	2900	10X12.5	SL227M050G1250
50	330	150	10	45	2900	8X15	SL337M050F1500
50	330	150	10	45	2900	10X12.5	SL337M050G1250
50	470	150	10	45	2900	10X20	SL477M050G2000

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63	22	150	12	60	2600	6.3X8	SL226M063E0800
63	33	150	12	60	2600	6.3X9	SL336M063E0900
63	47	150	12	60	2600	6.3X11	SL476M063E1100
63	82	150	12	45	2900	8X11.5	SL826M063F1150
63	100	150	10	45	2900	10X12.5	SL107M063G1250
80	22	150	10	60	2600	8X8	SL226M063F0800
100	4.7	150	10	100	2600	5X8	SL475M100C0800
100	22	150	10	60	2600	6.3X9	SL226M100E0900
100	47	150	10	60	2900	8X11.5	SL476M100F1150