

# SL series

## 低漏电品

HUAHUI

### Features

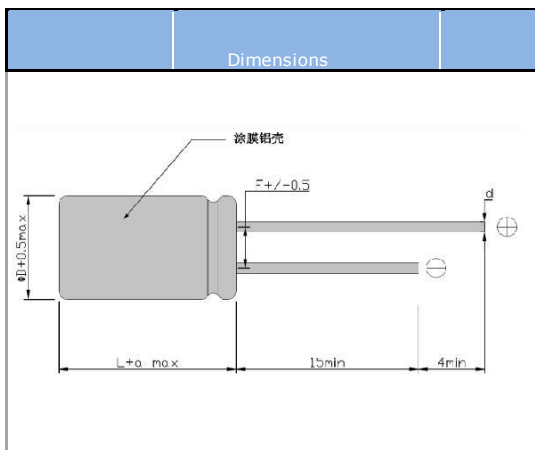
- ★ Low profile
- ★ Large permissible ripple current
- ★ Low ESR at high frequency range & Large permissible ripple current  
适用于 DC-DC 转换器、通讯电源、机顶盒、路由器、TV、电压调节器、手机适配器（手机充电器）、电脑主板和显卡。

### Specifications

item	Performance Characteristics	
Operating Temperature Range	-55~+105℃	
Rated Voltage Range	2.5~25vdc	
Capacitance Tolerance	± 20%(120Hz,+20℃)	
Leakage Current(+20℃,max)	≤150(μA,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

V.V (V)	Capacitance (uF)	I.C. (uA,2min)	γδ (120Hz,20°C)	ESR (mΩ,100KHz)	Rated Ripple Current (mA,rms)	Size φDXL(mm)	Part Number
6.3	270	340	8	15	2690	5X7	SL277M6R3C07C0
6.3	390	491	8	15	4100	5X9	SL397M6R3C0900
6.3	450	567	8	15	4700	6.3X8	SL457M6R3E0800
6.3	500	630	8	15	4100	5.5X9	SL507M6R3C09E0
6.3	560	706	8	15	4700	6.3X9	SL567M6R3E0900
6.3	680	857	8	15	4500	5.5X11	SL687M6R3C11E0
6.3	680	857	8	15	4700	6.3X9	SL687M6R3E0900
6.3	820	1033	8	15	4500	5.5X11	SL827M6R3C11E0
6.3	820	1033	8	15	4500	6.3X9	SL827M6R3E0900
6.3	820	1033	8	15	4700	8X11.5	SL827M6R3F1150
6.3	820	1033	8	15	4700	8X8	SL827M6R3F0800
6.3	1000	1260	8	15	4700	8X8	SL108M6R3F0800
6.3	1500	1890	8	15	4700	8X11.5	SL158M6R3F1150
6.8	500	680	8	20	4100	5.5X9	SL507M6R8C09E0
7.5	390	585	8	20	4100	5X9	SL397M7R5C0900
7.5	500	750	8	20	4100	5.5X9	SL507M7R5C09E0
7.5	680	1020	8	20	4700	6.3X8	SL687M7R5E08D0
10	560	1120	8	15	5000	6.3X12	SL567M010E1200
10	560	1120	8	15	5000	8X8	SL567M010F0800
10	680	1360	8	15	5800	8X11.5	SL687M010F1150
10	1000	2000	8	15	5800	8X11.5	SL108M010F1150
12	470	1128	8	20	4100	6.3X9	SL477M012E0900
12	560	1344	8	20	4100	5.5X11	SL567M012C11E0
12	560	1344	8	20	4100	6.3X9	SL567M012E09D0
12	680	1632	8	20	5600	8X8	SL687M012F0800
14	560	1568	8	20	4100	6.3X9	SL567M014E09D0
14	680	1904	8	20	4100	6.3X12	SL687M014E12D0
16	180	576	8	20	2690	5X8	SL187M016C0800
16	220	704	8	20	4100	6.3X8	SL227M016E0800
16	220	704	8	20	4300	8X8	SL227M016F0800
16	270	864	8	20	3500	6.3X9	SL277M016E0900
16	330	1056	8	20	4100	6.3X11	SL337M016E1100
16	330	1056	8	20	4100	6.3X9	SL337M016E0900
16	470	1504	8	20	4100	6.3X11.5	SL477M016E1150
16	470	1504	8	20	4500	8X8	SL477M016F0800
16	560	1792	8	20	4100	6.3X12	SL567M016E12D0
16	680	2176	8	20	4500	8X11.5	SL687M016F1150