

SL series Low Leakage Current 低洩漏電流品

- 在常溫或高溫無負荷狀況下經長時期放置後，尚能保持穩定之低洩漏電流特性。
After storage under normal or high temperature with no voltage applied, the Lseries can still keep good low-leakage current in good stability
- 適用於電視頻道轉換或小信號輸入回路
Used in TVs frequency channel conversion or work signal import loop circuits

Specifications

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NO.	Item	Performance																								
1	使用溫度範圍 Operating Temperature Range	-40 to +105 ⁰ C																								
2	定格電壓範圍 Rated Working Voltage Range	6.3-63V.DC																								
3	靜電容量範圍 Capacitance Tolerance	0.1-2200μF																								
4	靜電容量容許差 Capacitance Tolerance	±20%(at+20 ⁰ C,120Hz)																								
5	洩漏電流 Leakage Current	I≤0.002CV +0.4 (μ A)																								
		Whichever is greater after 3 minutes . I: Leakage Current (μA) C: Rated Capacitance (μF) V: Working Voltage (V)																								
6	損失角 Dissipation Factor(tan δ) (120Hz\+20℃)	<table><tr><th>Working Voltage (V)</th><th>6.3</th><th>10</th><th>16</th><th>25</th><th>35</th><th>50</th><th>63</th></tr><tr><td>tan δ max.</td><td>0.22</td><td>0.20</td><td>0.17</td><td>0.15</td><td>0.12</td><td>0.10</td><td>0.09</td></tr></table> For capacitance value >1000μF, add 0.02 per another 1000μF	Working Voltage (V)	6.3	10	16	25	35	50	63	tan δ max.	0.22	0.20	0.17	0.15	0.12	0.10	0.09								
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7	低溫度特性 (at 120 Hz) Characteristics at low temperature (Impedance ratio at 120Hz)	<table><tr><th>Working Voltage</th><th>6.3</th><th>10</th><th>16</th><th>25</th><th>35</th><th>50</th><th>63</th></tr><tr><td>Z-25℃/+20℃</td><td>4</td><td>3</td><td>2</td><td>2</td><td>2</td><td>2</td><td>2</td></tr><tr><td>Z-40/℃+20℃</td><td>8</td><td>6</td><td>4</td><td>4</td><td>3</td><td>3</td><td>3</td></tr></table>	Working Voltage	6.3	10	16	25	35	50	63	Z-25℃/+20℃	4	3	2	2	2	2	2	Z-40/℃+20℃	8	6	4	4	3	3	3
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8	高溫負荷特性 High Temperature Loading	After 2000hrs. application of DC rated working voltage at +105℃,The capacitor shall meet the following limits: Post test requirements at + 20℃ <table><tr><td>Leakage current</td><td>≤ the Initial specified value</td></tr><tr><td>Capacitance change</td><td>≤±20% of initial measured value</td></tr><tr><td>Dissipation Factor(tan δ)</td><td>≤200% of initial specified value</td></tr></table>	Leakage current	≤ the Initial specified value	Capacitance change	≤±20% of initial measured value	Dissipation Factor(tan δ)	≤200% of initial specified value																		
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9	高溫無負荷特性 Shelf Life	After 1000hrs. Application of DC no rated working voltage at +105℃,The capacitor shall meet the following limits: Post test requirements at + 20℃ <table><tr><td>Leakage current</td><td>≤200% of initial specified value</td></tr><tr><td>Capacitance change</td><td>≤±20% of initial measured value</td></tr><tr><td>Dissipation Factor(tanδ)</td><td>≤200% of initial specified value</td></tr></table>	Leakage current	≤200% of initial specified value	Capacitance change	≤±20% of initial measured value	Dissipation Factor(tanδ)	≤200% of initial specified value																		
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Multiplier for ripple current 紋波電流補正係數

Frequency Coefficient 周波數係數

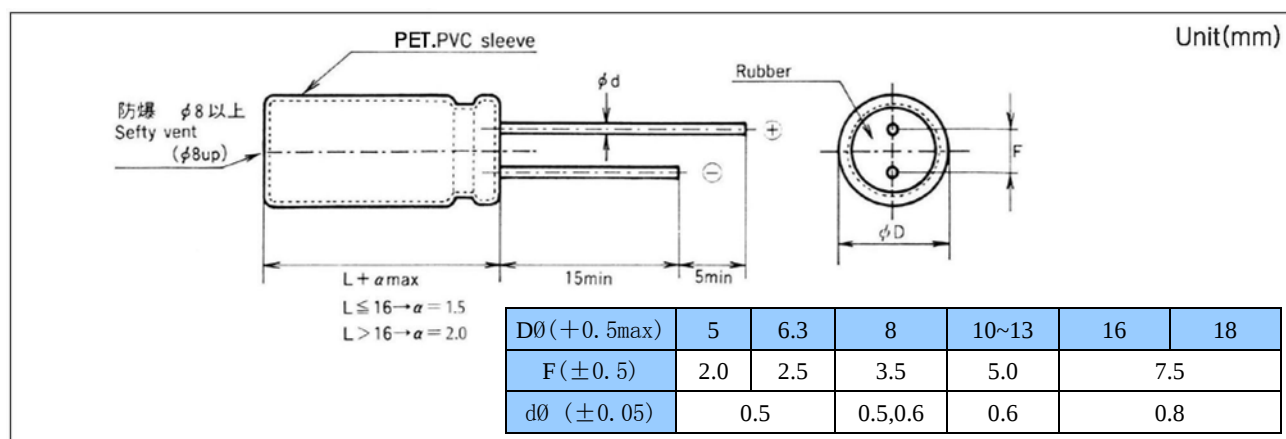
μF	Frequency	60 (50) Hz	120 H z	400 H z	1K H z	≥10K H z
0.1~47		0.80	1.00	1.20	1.30	1.50
68~2200		0.80	1.00	1.10	1.15	1.20

Temperature Coefficient 周圍溫度係數

Coefficient	temperature (℃)	105	85	≤65
coefficient		1.0	1.7	2.1

SL Series

Diagram of Dimensions



DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT 規格尺寸及最大允許紋波電流

W.V. (SV) μF	6.3 (8)		10 (13)		16 (20)		25 (32)		35 (44)		50 (63)		63 (79)	
	SIZE	R.C.	SIZE	R.C.	SIZE	R.C.	SIZE	R.C.	SIZE	R.C.	SIZE	R.C.	SIZE	R.C.
0.1											5×11	1	5×11	1
0.22											5×11	2	5×11	2
0.33											5×11	3	5×11	3
0.47											5×11	5	5×11	5
1.0											5×11	10	5×11	10
2.2											5×11	20	5×11	20
3.3											5×11	35	5×11	35
4.7							5×11	30	5×11	35	5×11	40	5×11	40
10					5×11	40	5×11	35	5×11	55	5×11	60	6.3×11	75
22	5×11	45	5×11	50	5×11	70	5×11	85	5×11	90	6.3×11	100	8×12	110
33	5×11	55	5×11	70	5×11	90	5×11	100	6.3×11	120	6.3×11	130	8×12	160
47	5×11	75	5×11	90	5×11	110	6.3×11	130	6.3×11	140	8×12	180	10×13	200
100	5×11	100	6.3×11	140	6.3×11	180	8×12	210	8×12	240	10×13	290	10×20	330
220	6.3×11	220	8×12	280	8×12	300	10×13	360	10×16	410	10×20	480	13×20	540
330	8×12	310	8×12	360	10×13	400	10×16	470	10×20	530	13×20	600	13×25	700
470	8×12	380	10×13	460	10×16	520	10×20	600	13×25	670	16×26	750	16×26	840
680	10×16	480	10×20	590	13×20	720	13×25	800	16×26	830	16×26	900	16×32	1050
1000	10×16	650	10×20	750	13×20	900	13×25	1000	16×26	1100	16×32	1140	18×36	1320
1500	13×20	900	13×25	1020	16×26	1150	16×32	1260	16×36	1380	18×36	1480		
2200	13×20	1050	13×25	1180	16×26	1300	18×36	1430	18×36	1580				

Case size ØD×L (mm); Ripple current (mA rms) at 105°C, 120Hz