

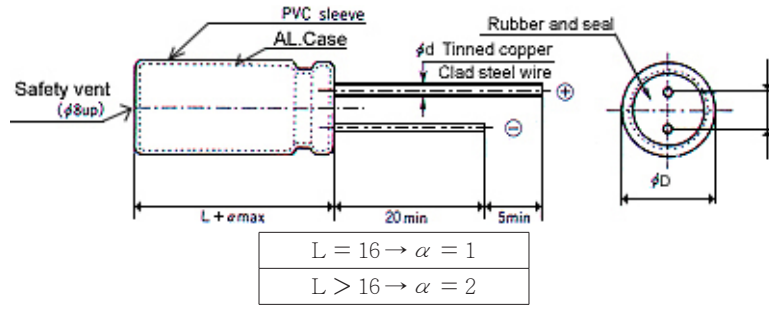
SL Series Low Leakage Current



項目 Item	特性 Characteristics																					
使用溫度範圍 Operating Temperature Range	- 40 ~ 105°C																					
額定電壓範圍 Rated Working Voltage Range	6.3V ~ 50V DC																					
靜電容量容許差 Capacitance Tolerance (120Hz, 25°C)	±20% (M)																					
洩漏電流 Leakage Current (25°C)	$I \leq 0.02CV + 0.4 (\mu A)$ I : Leakage Current (μA) C : Rated Capacitance (μF) V : Working Voltage (V) After 5 minutes applying the DC working Voltage																					
突波電壓 Surge Voltage (25°C)	<table border="1"> <tr> <td>W.V.</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> </tr> <tr> <td>S.V.</td> <td>8</td> <td>13</td> <td>20</td> <td>32</td> <td>44</td> <td>63</td> </tr> </table>	W.V.	6.3	10	16	25	35	50	S.V.	8	13	20	32	44	63							
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散逸因素 (Tan. θ) Dissipation Factor (120Hz, 25°C)	<table border="1"> <tr> <td>W.V.</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> </tr> <tr> <td>Tan. θ</td> <td>0.25</td> <td>0.20</td> <td>0.17</td> <td>0.15</td> <td>0.12</td> <td>0.10</td> </tr> </table>	W.V.	6.3	10	16	25	35	50	Tan. θ	0.25	0.20	0.17	0.15	0.12	0.10							
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溫度特性 Temperature Characteristics	<table border="1"> <tr> <td>W.V.</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> </tr> <tr> <td>-25°C /+25°C</td> <td>6</td> <td>4</td> <td>3</td> <td>3</td> <td>2</td> <td>2</td> </tr> <tr> <td>-40°C /+25</td> <td>10</td> <td>8</td> <td>6</td> <td>4</td> <td>3</td> <td>3</td> </tr> </table> Impedance ratio at 120HZ	W.V.	6.3	10	16	25	35	50	-25°C /+25°C	6	4	3	3	2	2	-40°C /+25	10	8	6	4	3	3
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高溫負荷特性 Load Test	After 2000 hours application of W.V. at +105°C the capacitor shall meet he following limits <table border="1"> <tr> <td>Capacitance change</td> <td>$\leq \pm 20\%$ of initial value</td> </tr> <tr> <td>Tan. θ</td> <td>$\leq \pm 200\%$ of initial specified value</td> </tr> <tr> <td>Leakage current</td> <td>\leq initial specified value</td> </tr> </table>	Capacitance change	$\leq \pm 20\%$ of initial value	Tan. θ	$\leq \pm 200\%$ of initial specified value	Leakage current	\leq initial specified value															
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放置特性 Shelf Test	After 500 hours application of W.V. at +105°C the capacitor shall meet he following limits <table border="1"> <tr> <td>Capacitance change</td> <td>$\leq \pm 20\%$ of initial value</td> </tr> <tr> <td>Tan. θ</td> <td>$\leq 200\%$ of initial specified value</td> </tr> <tr> <td>Leakage current</td> <td>$\leq 200\%$ of initial specified value</td> </tr> </table>	Capacitance change	$\leq \pm 20\%$ of initial value	Tan. θ	$\leq 200\%$ of initial specified value	Leakage current	$\leq 200\%$ of initial specified value															
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SL

尺寸圖 Dimension



D	5	6	8	10
F ± 0.5	2	2.5	3.5	5
d ± 0.02	0.5	0.5	0.5	0.6

D x L (m/m)

μF	WV	10	16	25	35	50	
0.1						5*11 1	
0.22		尺寸 Dimension : $\varnothing D \times L$ (mm)					5*11 4
0.33		紋波電流 Ripple Current : mA (rms) at 120Hz 105°C					5*11 4
0.47						5*11 6	
1						5*11 17	
2.2						5*11 29	
3.3						5*11 34	
4.7						5*11 43	
10				5*11 60	5*11 67	6*11 78	
22			5*11 67	5*11 80	5*11 92	6*12 121	
33	5*11 65	5*11 90	5*11 97	6*11 132	8*12 148		
47	5*11 74	5*11 116	6*11 134	8*12 158	8*12 206		
100	6*11 170	6*12 241	8*12 263	8*14 295	10*17 371		
220	8*12 281	8*12 309					