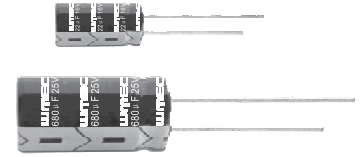


LA Low Leakage Current Series

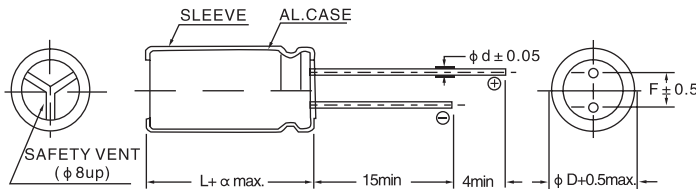
- Standard low leakage current series
- Suitable for high gain audio coupling applications
- Stable leakage current characteristics for a long period
- Load life of 2000 hours at 85°C



• SPECIFICATIONS

Item	Characteristics																		
Operating Temperature Range	-40~+85°C																		
Rated Working Voltage Range	10~63V.DC																		
Capacitance Tolerance	± 20%(M)at 120Hz.25°C																		
Leakage Current (max.)	I= 0.002CV or 0.4 μA whichever is greater after 2 minutes.																		
	I: Leakage Current (μA) C: Nominal Capacitance (μ F) V: Rated Working Voltage(V)																		
Dissipation Factor (tan δ) (at 120Hz, 25°C) (max.)	When nominal capacitance is over 1000 μ F, Tan δ shall be added 0.03 to the listed value with increase of every 1000 μ F.																		
	<table border="1"> <thead> <tr> <th>WV</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> </tr> </thead> <tbody> <tr> <td>tan δ</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> <td>0.09</td> </tr> </tbody> </table>	WV	10	16	25	35	50	63	tan δ	0.20	0.16	0.14	0.12	0.10	0.09				
WV	10	16	25	35	50	63													
tan δ	0.20	0.16	0.14	0.12	0.10	0.09													
Low Temperature Stability (Impedance ratio at 120Hz)	<table border="1"> <thead> <tr> <th>WV</th> <th>10~25</th> <th>35</th> <th>40</th> <th>50</th> <th>63</th> </tr> </thead> <tbody> <tr> <td>Z(-25°C)/Z(+25°C)</td> <td>2</td> <td>1.75</td> <td>1.75</td> <td>1.5</td> <td>1.5</td> </tr> <tr> <td>Z(-40°C)/Z(+25°C)</td> <td>4</td> <td>4</td> <td>4</td> <td>2</td> <td>2</td> </tr> </tbody> </table>	WV	10~25	35	40	50	63	Z(-25°C)/Z(+25°C)	2	1.75	1.75	1.5	1.5	Z(-40°C)/Z(+25°C)	4	4	4	2	2
	WV	10~25	35	40	50	63													
	Z(-25°C)/Z(+25°C)	2	1.75	1.75	1.5	1.5													
Z(-40°C)/Z(+25°C)	4	4	4	2	2														
<p>After 2000 hours application of W.V. at 85°C the capacitor shall meet the following limits.</p> <table border="1"> <thead> <tr> <th rowspan="2">Capacitance Change</th> <th>φ D ≤ 6.3</th> <th>WV ≤ 16</th> <th>WV > 16</th> </tr> </thead> <tbody> <tr> <td>φ D > 6.3</td> <td>± 20%</td> <td>± 20%</td> <td>± 15%</td> </tr> <tr> <td>Dissipation Factor</td> <td colspan="3">≤ 150% of the initial specified value.</td> </tr> <tr> <td>Leakage current</td> <td colspan="3">≤ the initial specified value.</td> </tr> </tbody> </table>	Capacitance Change	φ D ≤ 6.3	WV ≤ 16	WV > 16	φ D > 6.3	± 20%	± 20%	± 15%	Dissipation Factor	≤ 150% of the initial specified value.			Leakage current	≤ the initial specified value.					
Capacitance Change		φ D ≤ 6.3	WV ≤ 16	WV > 16															
	φ D > 6.3	± 20%	± 20%	± 15%															
Dissipation Factor	≤ 150% of the initial specified value.																		
Leakage current	≤ the initial specified value.																		
Shelf Life(at 85°C)	After 500 hours no load test, leakage current capacitance and tan δ are same as load life value																		
Reference Standard	JISC-5141																		

• DRAWING(Unit:mm)



φ D	5	6.3	8	10	13	16
F	2.0	2.5	3.5	5.0		7.5
φ d	0.5			0.6	0.8	
α	1.0			1.5		

• DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

WV Cap.(μF)	10		16		25		35		50		63	
	SIZE	R.C.	SIZE	R.C.	SIZE	R.C.	SIZE	R.C.	SIZE	R.C.	SIZE	R.C.
1.0											5 × 11	20
2.2											5 × 11	30
3.3									5 × 11	35	5 × 11	37
4.7									5 × 11	42	5 × 11	44
6.8							5 × 11	46	5 × 11	50	5 × 11	53
10					5 × 11	55	5 × 11	55	6.3 × 11	70	6.3 × 11	73
22	5 × 11	69	5 × 11	73	5 × 11	82	6.3 × 11	94	8 × 11	122	8 × 11	129
33	5 × 11	84	5 × 11	90	5 × 11	116	6.3 × 11	116	8 × 11	149	8 × 12	183
47	5 × 11	95	5 × 11	105	6.3 × 11	120	8 × 11	136	8 × 12	180	8 × 16	239
68	5 × 11	110	5 × 11	110	6.3 × 11	130	10 × 12	150	8 × 12	200	8 × 16	290
100	6.3 × 11	120	6.3 × 11	120	6.3 × 12	150	10 × 16	169	8 × 12	220	8 × 16	314
220	8 × 11	170	8 × 12	210	8 × 12	225	13 × 20	305	10 × 17	420	10 × 20	400
330	8 × 12	235	8 × 14	265	8 × 16	330	13 × 25	400	10 × 20	520	13 × 21	610
470	8 × 12	275	8 × 14	370	10 × 17	400	13 × 25	530	13 × 21	760	13 × 25	720
680	8 × 16	390	10 × 17	480	10 × 20	520	16 × 25	610	13 × 25	800	16 × 26	920
1000	10 × 17	650	10 × 20	670	13 × 21	775	16 × 31	900	16 × 26	1000		
2200	13 × 21	790	13 × 25	1100	16 × 26	1150						
3300	13 × 25	1100	16 × 26	1200								

Ripple current (m A rms) at 85°C, 120Hz
 Case size φ D × L(mm)