

ALUMINUM ELECTROLYTIC CAPACITORS

LLR 立式 85°C 低漏電 Low leakage current 85°C Series

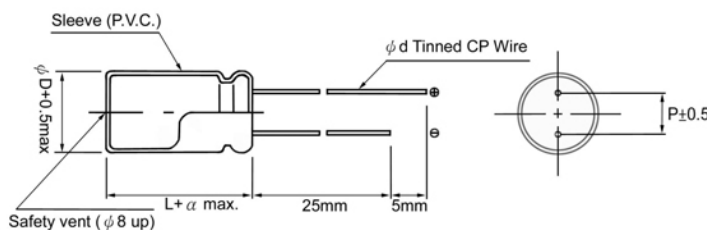
- 具極佳之洩漏電流特性，適於時間迴路或產品高信賴性用途
- 產品壽命保證2,000 小時/85°C
- Low leakage current for timing or high reliability products required
- Life guaranteed 2,000 hrs./85°C.



• Specifications

Item	Performance Characteristics								
Operating Temperature range 使用溫度範圍	-40 + 85°C								
Rated Voltage 額定電壓	6.3V ~ 100V								
Capacitance Range 容量範圍	0.1 ~ 10,000 μF								
Capacitance Tolerance 靜電容量容許差	±20% (120Hz, 20°C)								
Leakage Current 洩漏電流	I ≤ 0.002CV or 0.4 μA, whichever is greater after 2 minutes application of rated voltage.								
Dissipation Factor 散逸係數 (120Hz, 20°C)	Rated voltage (V)	6.3	10	16	25	35	50	63	100
	Tan δ (max.)	0.21	0.17	0.14	0.12	0.12	0.10	0.08	0.08
Temperature Characteristics 溫度特性 (120Hz)	Impedance Ratio / Stability at Low Temperature								
	Rated voltage (V)	6.3	10	16	25	35	50	63	100
	Z (-25°C) / Z (20°C)	3	2	2	1.5	1.5	1.5	1.5	1.5
	Z (-40°C) / Z (20°C)	5	4	3	2	2	2	2	2
Load Life 高溫度負荷特性	After 2,000 hours application of WV at 85°C, capacitor shall meet the characteristics requirements mentioned below.								
	Capacitance change	Within ±15% of initial value							
	Tan δ	150% or less of initial specified value							
	Leakage current	Initial specified value or less							
Shelf Life 擺置壽命	After leaving capacitors under no load at 85°C for 1,000 hours and applying voltage according to JIS C5102 and C5141, they shall meet the specified value as load life characteristics listed above.								

• Dimension



Dφ	5	6.3	8	10	13	16	18
P	2.0	2.5	3.5	5.0	5.0	7.5	7.5
φd	0.5		0.6		0.8		
α	1.0			1.5			

• Size & ripple current

Unit: DxL(mm)

WV(SV) Cap(μF)	6.3 (10)	10 (13)	16 (20)	25 (32)	35 (44)	50 (63)	63 (75)	100 (125)
0.1~0.47						5 x 11		5 x 11
1						5 x 11	10	5 x 11 19
2.2						5 x 11	23	5 x 11 28
3.3						5 x 11	40	5 x 11 45
4.7				5 x 11 45		5 x 11	45	5 x 11 50
10			5 x 11 55	5 x 11 70		5 x 11 70	6.3 x 11 75	8 x 11 90
22			5 x 11 85	5 x 11 100	6.3 x 11 110	6.3 x 11 110	8 x 11 115	10 x 12 136
33			5 x 11 100	6.3 x 11 140	6.3 x 11 140	8 x 11 165	8 x 11 170	10 x 16 180
47		5 x 11 110	6.3 x 11 140	6.3 x 11 170	8 x 11 190	8 x 11 190	10 x 12 200	10 x 20 220
100		6.3 x 11 180	8 x 11 230	8 x 11 280	10 x 12 300	10 x 16 320	10 x 20 330	13 x 20 370
220		8 x 11 310	10 x 12 370	10 x 16 400	10 x 20 440	13 x 20 490	13 x 20 550	16 x 25 580
330		10 x 12 400	10 x 16 420	10 x 20 490	13 x 20 550	13 x 20 600	13 x 25 710	16 x 32 730
470	10 x 12 390	10 x 16 530	10 x 20 550	13 x 20 660	13 x 25 680	16 x 25 760	16 x 25 850	18 x 36 910
1000	10 x 20 650	13 x 20 810	13 x 25 910	16 x 25 1010	16 x 25 1100	16 x 32 1140	18 x 36 1330	
2200	13 x 25 1060	16 x 25 1200	16 x 25 1300	16 x 36 1440	18 x 36 1580			
3300	16 x 25 1270	16 x 32 1420	16 x 36 1550	18 x 40 1720				
4700	16 x 32 1500	16 x 36 1650	18 x 36 1820					
6800	18 x 36 1760	18 x 36 1890						
10000	18 x 40 1900							Case Size ripple

Ripple (mA) at 85°C 120Hz