

ALUMINUM ELECTROLYTIC CAPACITORS

LLH 立式 105°C 低漏電 高溫品 Low leakage current 105°C Series

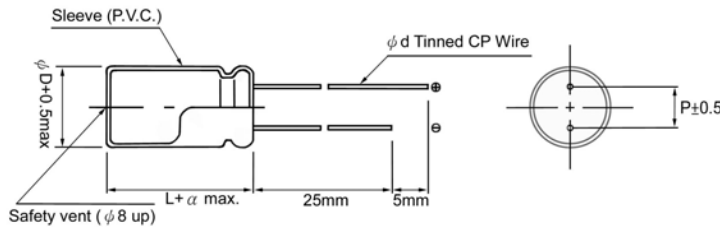
- 具極低之洩漏電流特性, 適於時間迴路或產品高信賴性用途
- 產品壽命保證 2,000 小時 / 105°C
- Low leakage current for timing or high reliability products required
- Life guaranteed 2,000 hrs./105°C.



• Specifications

Item	Performance Characteristics					
Operating Temperature range 使用溫度範圍	-40 + 105°C					
Rated Voltage 額定電壓	10V ~ 50V					
Capacitance Range 容量範圍	0.1 ~ 470 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)	10	16	25	35	50
	Tan δ (max.)	0.17	0.14	0.12	0.12	0.10
Temperature Characteristics 溫度特性 (120Hz)	Impedance Ratio / Stability at Low Temperature					
	Rated voltage (V)	10	16	25	35	50
	Z (-25°C) / Z (20°C)	2	2	1.5	1.5	1.5
	Z (-40°C) / Z (20°C)	4	3	2	2	2
Load Life 高溫負荷特性	After 2,000 hours application of WV at 105°C, capacitor shall meet the characteristics requirements mentioned below.					
	Capacitance change	Within ±20% of initial value				
	Tan δ	200% 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 105°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
P	2.0	2.5	3.5	5.0	5.0
φd	0.5		0.6		
α	1.0			1.5	

• Size & ripple current

Unit: DxL(mm)

WV(SV)	10 (13)		16 (20)		25 (32)		35 (44)		50 (63)	
Cap(μF)										
0.1									5 x 11	1
0.22									5 x 11	2
0.33									5 x 11	3
0.47									5 x 11	5
1									5 x 11	8
2.2									5 x 11	19
3.3									5 x 11	28
4.7					5 x 11	34	5 x 11	36	5 x 11	38
10			5 x 11	45	5 x 11	54	5 x 11	56	5 x 11	58
22	5 x 11	68	5 x 11	72	5 x 11	80	6.3 x 11	95	6.3 x 11	85
33	5 x 11	80	5 x 11	88	6.3 x 11	105	6.3 x 11	115	8 x 11	135
47	5 x 11	95	6.3 x 11	115	6.3 x 11	136	8 x 11	160	8 x 11	160
100	6.3 x 11	155	8 x 11	195	8 x 11	220	10 x 12	245	10 x 16	280
220	8 x 11	270	10 x 12	300	10 x 16	340	10 x 20	360	13 x 20	440
330	10 x 12	350	10 x 16	390	10 x 20	400	13 x 20	480		
470	10 x 16	455	10 x 20	485						

Ripple (mA) at 105°C 120Hz