

ALUMINUM ELECTROLYTIC CAPACITORS

DP series

85°C 5000HRS

85°C 5000 小時

- 85°C Standard for snap-in Terminals
85°C 自立型產品
- High Ripple Current
高紋波
- Long life:5000HRS
長壽命:5000 小時
- Used in Switch Power Supply, Smoothing Circuits.
Adapter, Inverter Lighting System.
應用於開關電源、平流電路
適配器、變壓照明系統

SPECIFICATIONS

Item 項目	Performance Characteristics 特性						
Operating Temperature Range 工作溫度範圍	-40°C ~ +85°C (160~250V) -25°C ~ +85°C (385~500V)						
Rated Voltage Range 額定電壓範圍	160~500W.V						
Capacitance Range 靜電容量範圍	47~3300uF						
Capacitance Tolerance 靜電容量誤差	±20% (120Hz, +20°C)						
Leakage Current 洩漏電流	$I \leq 3\sqrt{CV}$ After 5 minutes with rated working voltage applied at +20°C (印加額定工作電壓 5 分鐘) I =Leakage Current(μ A) C:Nominal capacitance in μ F V:Rated voltage in V I =洩漏電流(μ A), C=額定容量(μ F), V=額定電壓(V)						
Dissipation Factor ($\tan \delta$) 散逸因素 (損失角正切值)	Rated voltage (V) 額定電壓(V)	160~420	450~500				
	Tan δ 損失角正切值	0.15	0.20				
Low Temperature Stability Impedance Ratio(MAX) 低溫特性阻抗比率	Rated Voltage (V) 額定電壓(V)	160	200	250	385	400~500	
	Z(-25°C)/Z(+20°C)	3	3	3	5	8	
	Z(-40°C)/Z(+20°C)	15	15	15	---	---	

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Load Life 負荷壽命	Application of rated voltage for 5000HR at 85°C, the capacitor shall meet the characteristics requirement listed as following. 在 85°C 下印加額定電壓 5000 小時後, 電容特性需滿足以下要求.	
	Capacitance Change 容量變化	≤ ±20% of the initial measured value 不超出初始值的±20%
	tan δ 損失角正切值	≤ 200% of the initial specified value 不超出規格值的 2 倍
	Leakage Current 洩漏電流	≤ The initial specified value 不超出規格值
Shelf Life 放置壽命	After storage it for 1000HR at 85°C with no voltage applied. The capacitor shall meet the following limits. 電容放置在 85°C 無印加電壓的情況下儲存 1000 小時後, 電容需符合以下要求。	
	Capacitance Change 容量變化	≤ ±15% of the initial measured value 不超出初始值的±15%
	tan δ 損失角正切值	≤ 150 % of the initial specified value 不超出規格值的 1.5 倍
	Leakage Current 洩漏電流	≤ The initial specified value 不超出規格值

Frequency coefficient

頻率系數

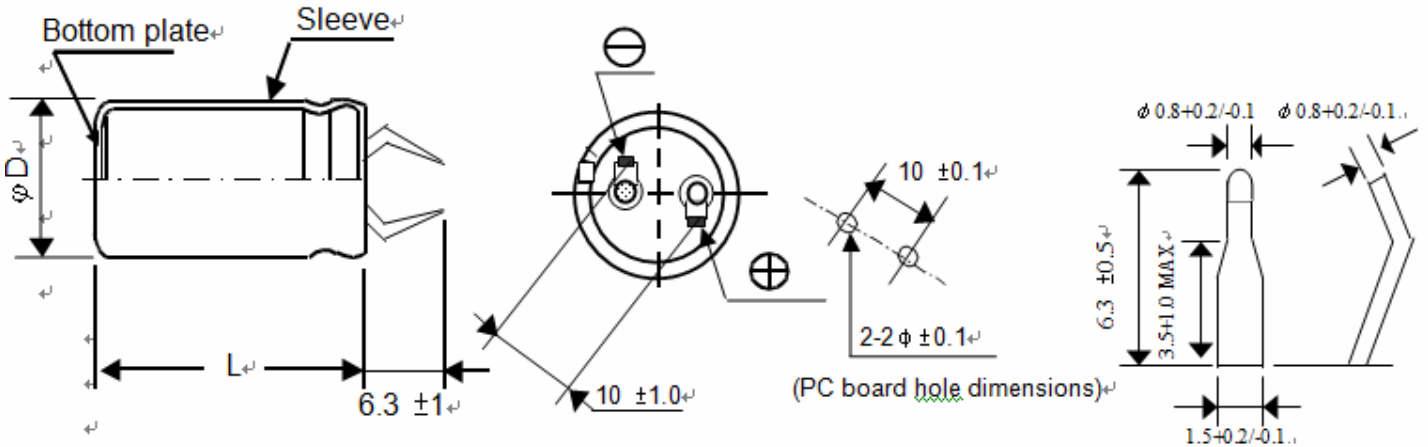
R.V(V)	Freq(Hz)			
	60	120	1K	10~100K
160~250V	0.80	1.00	1.15	1.47
385-500V	0.80	1.00	1.15	1.47

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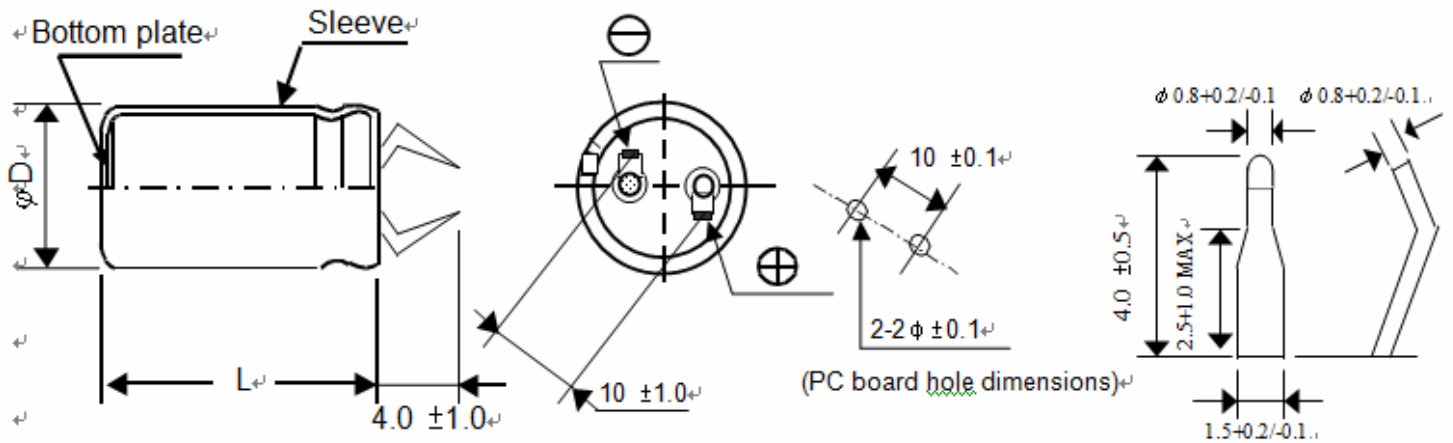
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DIMENSIONS 尺寸 (mm)

●TYPE. TB($22 \leq D \leq 35$)



●TYPE. TC($22 \leq D \leq 35$)



$\varphi D + 1.0 \text{ MAX}$
$L \pm 2.0$



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STANDARD SIZES AND RIPPLE CURRENT

尺寸及紋波標準

DxL(mm) Ripple Current (mA 85°C, 120Hz) r.m.s

Cap(uF)	W.V	160V		200V		250V		385V		400V		420V		450V		500V	
		2C		2D		2E		2Y		2G		2H		2W		2Z	
47	470													22x25	510		
68	680							22x25	610					22x30 25x25	650 660		
100	101							22x30 25x25	790 800			22x30 25x25	1600 1600	22x40 25x30 30x25	880 860 900		
120	121									22x35	920	22x30	940				
150	151					22x25	910	22x40 25x30	1100 1000	22x40 30x25	1100 1100	22x40 25x35	1080 1110	25x35 25x40 30x30	1150 1200 1100	25x35	1350
180	181									30x30	1200	25x35 30x30	1210 1260	30x35	1300		
220	221	22x25	1100	22x25	1100	22x30 25x25	1200 1200	25x40 30x30	1400 1400	25x40 30x35	1400 1500	25x40 30x35	1410 1460	30x40	1500		
270	271									30x35	1600	30x35 35x30	1620 1710	30x45	1800		
330	331	22x30	1400	22x30 25x25	1400 1500	22x40 25x30	1600 1600	30x40	1680	30x45	1900	30x45 35x35	1960 1980	35x40	2100		
390	391									35x50	2100	30x50	2220				
470	471	22x35	1800	22x40 30x25	1900 1900	25x40 30x30	2100 2000	35x40	2280	35x45	2350	35x45	2580	35x45 35x50	2670 2700		
560	561							35x45	2550	35x50	2680	35x50	2800			35x50	2950
680	681	25x35	2150	25x40 30x30	2280 2400	30x40	2550										
1000	102	30x35	2400	25x35 30x40 35x35	2500 2760 2900	35x40	3020										
1500	152	30x35 30x45	2750 2830	35x45	3050												
2200	222	35x50	3250														
3300	332	30x45	3560	35x50													