

- Snap-in type
- Load life of 2000 hours at 105°C
- 105°C 壽命：2000 小時

■ SPECIFICATIONS 規格表

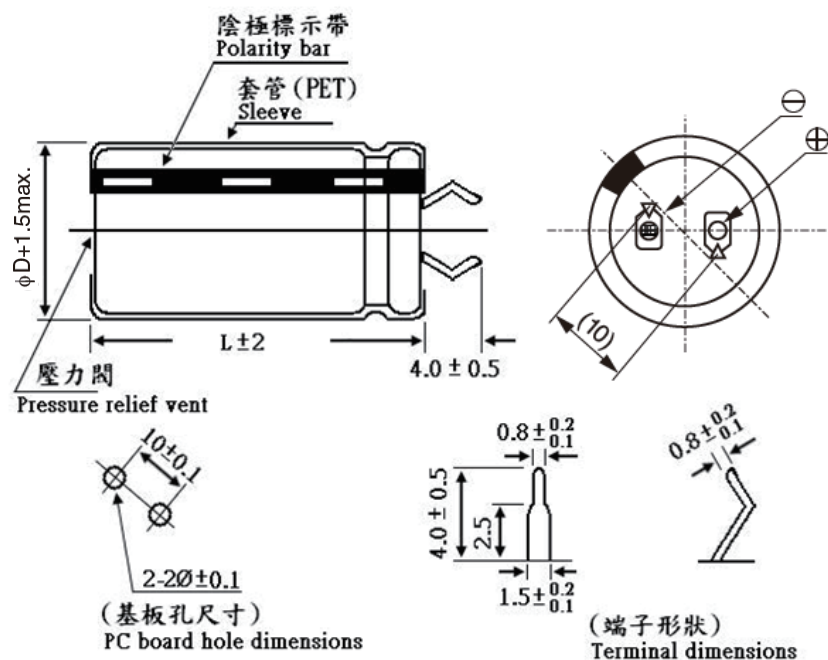
Item	Performance Characteristics 特性															
Operating Temperature Range 工作溫度範圍	- 40~+ 105℃ (160~250V), - 25~+ 105℃ (315~550V)															
Voltage Range 額定電壓範圍	160~550V															
Capacitance Tolerance 靜電容量容許差	±20% at 120Hz,20℃															
Leakage Current 漏電流	After 5 minutes application of rated voltage, leakage current is lower than $3\sqrt{CV}$ (μA). $I=3\sqrt{CV}$ (μA) 以下 (5分鐘) I = Leakage Current (漏電流) C = Capacitance (靜電容量) V = Rated Voltage (額定電壓)															
Tangent of loss angle 損失角正切值	<table><tr><td>Rated voltage (V) 額定電壓</td><td>160~400</td><td>420~500</td><td>550</td></tr><tr><td>Tanδ (MAX)</td><td>0.15</td><td>0.20</td><td>0.25</td></tr></table> (Frequency : 120Hz , Temperature : 20℃)				Rated voltage (V) 額定電壓	160~400	420~500	550	Tanδ (MAX)	0.15	0.20	0.25				
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Stability at Low Temperature 溫度特性	<table><tr><td colspan="2">Rated voltage (V)</td><td>160~250</td><td>315~550</td></tr><tr><td>Impedance Ratio 阻抗比</td><td>Z-25℃/Z+20℃</td><td>4</td><td>8</td></tr><tr><td>ZT/Z 20 (MAX)</td><td>Z-40℃/Z+20℃</td><td>12</td><td>-</td></tr></table> (Frequency:120Hz)				Rated voltage (V)		160~250	315~550	Impedance Ratio 阻抗比	Z-25℃/Z+20℃	4	8	ZT/Z 20 (MAX)	Z-40℃/Z+20℃	12	-
Rated voltage (V)		160~250	315~550													
Impedance Ratio 阻抗比	Z-25℃/Z+20℃	4	8													
ZT/Z 20 (MAX)	Z-40℃/Z+20℃	12	-													
Endurance 耐久性	After applying rated voltage with rated ripple current for 2000 hours at 105℃, the capacitors shall meet the following requirements. 在 105℃ 環境中，不超過額定電壓的範圍內疊加額定紋波電流，連續加載 2000 小時後，滿足下列各項要求 <table><tr><td>Capacitance Change 靜電容量變化率</td><td>Within ±20% of initial Value 初期值的±20%以內</td></tr><tr><td>Tangent of loss angle (Tanδ) 損失角正切值</td><td>Not exceeding 200% of initial specified value 規格值200%以下</td></tr><tr><td>Leakage current 漏電流</td><td>Not exceeding of initial specified value 規格值以下</td></tr></table>				Capacitance Change 靜電容量變化率	Within ±20% of initial Value 初期值的±20%以內	Tangent of loss angle (Tanδ) 損失角正切值	Not exceeding 200% of initial specified value 規格值200%以下	Leakage current 漏電流	Not exceeding of initial specified value 規格值以下						
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Leakage current 漏電流	Not exceeding of initial specified value 規格值以下															
Shelf Life 高溫無負荷	After storing the capacitors under no load at 105 ℃ for 1000 hours and then performing voltage treatment based on JIS C 5101-4 clause 4.1 at 20 ℃, they shall meet the specified values for the endurance characteristics listed above 在 105℃ 下無負荷放置 1000 小時後，在 20 ℃ 下依據 JIS C 5101-4 4.1 項進行電壓處理後，將滿足以上耐久性的特性值															

■ Frequency Coefficient of Allowable Ripple Current 容許紋波電流的頻率係數

Frequency 頻率		50Hz	120Hz	300Hz	1KHz	10KHz	50KHz~
Coefficient 係數	160~250V	0.81	1.00	1.17	1.32	1.45	1.50
	315~550V	0.77	1.00	1.16	1.30	1.41	1.43

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■ DIMENSIONS 尺寸圖



■ DIMENSIONS 尺寸

Rated Ripple Current(mA r.m.s. at 105°C,120Hz)

W.V	160V		180V		200V	
S.V	200V		230V		250V	
Item Cap(μF)	Size D x L(mm)	Ripple	Size D x L(mm)	Ripple	Size D x L(mm)	Ripple
390			22 x 25	1300	22 x 25	1200
470	22 x 25	1400	22 x 25	1300	22 x 25	1200
560	22 x 25	1400	22 x 30	1500	22 x 30	1480
					25 x 25	1480
680	22 x 30	1500	22 x 35	1700	22 x 35	1600
	25 x 25	1700	25 x 30	1700	25 x 30	1600
820	22 x 35	2000	22 x 40	2000	22 x 40	1750
	25 x 30	2000	25 x 35	2000	25 x 35	1750
1000	22 x 40	2100	22 x 45	2100	22 x 45	2040
	25 x 35	2200	25 x 35	2050	25 x 40	2040
	30 x 25	2200	30 x 30	2200	30 x 30	2040
1200	25 x 40	2300	22 x 50	2150	25 x 45	2300
	30 x 30	2300	25 x 40	2150	30 x 35	2300
	35 x 25	2300	30 x 35	2300	35 x 25	2300
1500	25 x 45	2500	25 x 50	2400	25 x 50	2570
	30 x 35	2500	30 x 40	2500	30 x 40	2570
	35 x 30	2500	35 x 30	2350	35 x 30	2570
1800	25 x 50	2700	30 x 45	2700	30 x 45	2680
	30 x 40	2700	35 x 35	2700	35 x 35	2680
	35 x 30	2550				
2200	30 x 45	2900	30 x 50	2900	30 x 50	2920
	35 x 35	2900	35 x 40	2900	35 x 40	2920
2700	30 x 50	3100	35 x 45	3000	35 x 45	3270
3300	35 x 45	3100	35 x 50	3100		

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Rated Ripple Current(mA r.m.s. at 105°C,120Hz)

W.V	220V		250V		315V	
S.V	270V		300V		365V	
Item Cap(μF)	Size D x L(mm)	Ripple	Size D x L(mm)	Ripple	Size D x L(mm)	Ripple
150					22 x 25	820
180					22 x 30	900
220			22 x 25	1000	22 x 30	1000
					25 x 25	1000
270			22 x 25	1100	22 x 35	1100
					25 x 30	1100
330	22 x 25	1260	22 x 30	1200	22 x 45	1200
					25 x 35	1200
390	22 x 30	1340	22 x 30	1200	22 x 45	1300
			25 x 25	1200	25 x 40	1300
470	22 x 35	1480	22 x 35	1300	25 x 45	1400
	25 x 25	1400	25 x 30	1300	30 x 35	1400
560	22 x 35	1450	22 x 40	1400	25 x 50	1500
	25 x 30	1450	25 x 35	1500	30 x 40	1500
680	22 x 40	1650	22 x 45	1500	30 x 45	1700
	25 x 35	1780	25 x 40	1700	35 x 35	1700
	30 x 25	1650	30 x 30	1700		
820	22 x 50	1930	25 x 45	2000	30 x 50	2000
	25 x 40	1930	30 x 35	2000	35 x 40	2000
	30 x 30	1850	35 x 30	2000		
1000	25 x 45	2150	25 x 50	2200		
	30 x 35	2330	30 x 40	2200	35 x 45	2300
	35 x 30	2330	35 x 30	2000		
1200	30 x 40	2500	30 x 45	2300		
	35 x 30	2350	35 x 35	2200		
1500	30 x 45	2550	30 x 50	2300		
	35 x 35	2500	35 x 40	2300		
1800	35 x 40	2700	35 x 45	2500		
2200	35 x 50	2950				

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Rated Ripple Current(mA r.m.s. at 105°C,120Hz)

W.V	350V		400V		420V	
S.V	400V		450V		470V	
Item Cap(μF)	Size D x L(mm)	Ripple	Size D x L(mm)	Ripple	Size D x L(mm)	Ripple
68						
82					22 x 25	640
100			22 x 25	700	22 x 25	660
120	22 x 25	750	22 x 25	700	22 x 30	810
150	22 x 30	820	22 x 30	730	22 x 35	840
180	22 x 30	900	22 x 30	730	22 x 35	850
	25 x 25	900	25 x 25	730	25 x 30	910
220	22 x 35	1000	22 x 35	850	22 x 40	950
	25 x 30	1000	25 x 30	850	30 x 25	950
270	22 x 40	1100	22 x 40	1000	22 x 50	1150
	25 x 30	1100	30 x 25	1000	30 x 30	1250
330	22 x 45	1200	22 x 50	1150	25 x 45	1350
	25 x 40	1200	25 x 40	1150	30 x 35	1420
			30 x 30	1150	35 x 30	1420
390	25 x 45	1300	25 x 45	1400	25 x 50	1450
	30 x 35	1300	30 x 35	1400	30 x 40	1610
470	25 x 50	1400	25 x 50	1550	30 x 45	1860
	30 x 35	1400	30 x 40	1550	35 x 35	1700
560	30 x 45	1500	30 x 45	1630	35 x 40	1900
	35 x 35	1500	35 x 35	1630		
680	30 x 50	1700	30 x 50	1800	35 x 45	2050
	35 x 40	1700	35 x 40	1800		
820	35 x 45	1900	35 x 45	2000		
1000			35 x 50	2140		

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Rated Ripple Current(mA r.m.s. at 105°C,120Hz)

W.V	450V		500V		550V	
S.V	500V		550V		600V	
Item Cap(μF)	Size D x L(mm)	Ripple	Size D x L(mm)	Ripple	Size D x L(mm)	Ripple
68	22 x 25	500				
82	22 x 30	560				
100	22 x 25	640				
	25 x 25	640				
120	22 x 30	690				
	25 x 25	690				
150	22 x 35	720				
	25 x 30	790				
180	22 x 40	790				
	25 x 30	790				
220	22 x 45	870	30 x 35	790	30 x 40	790
	25 x 35	870				
	30 x 30	790				
270	22 x 50	1050	30 x 35	1050	30 x 40	1050
	25 x 40	1050				
	30 x 30	1050				
330	25 x 50	1200	35 x 35	1200	35 x 40	1200
	30 x 35	1200				
	35 x 30	1200				
390	30 x 40	1380	30 x 45	1380	30 x 50	1380
	35 x 35	1380				
470	30 x 45	1550				
	35 x 40	1550				
560	35 x 45	1700				
680	35 x 50	1910				