

- Super high voltage.
- 超高電壓

■ SPECIFICATIONS 規格表

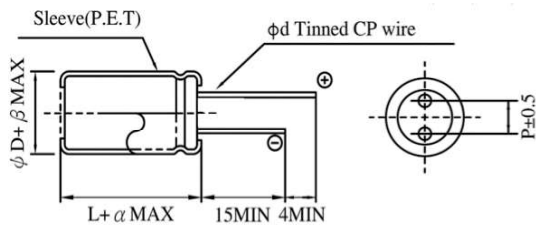
Item	Performance Characteristics 特性													
Operating Temperature Range 工作溫度範圍	-40 ~ +105℃													
Voltage Range 額定電壓範圍	550 ~ 600V													
Capacitance Tolerance 靜電容量容許差	±20% at 120Hz,20℃													
Leakage Current 漏電流	After 1 minute application of rated voltage, leakage current is lower than 0.04CV+100(μA) I = 0.04CV+100 (μA) 以下 (1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>550</td><td>600</td></tr><tr><td>Tanδ (MAX)</td><td>0.25</td><td>0.25</td></tr></table>			Rated voltage (V) 額定電壓	550	600	Tanδ (MAX)	0.25	0.25					
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(Frequency : 120Hz , Temperature : 20℃)														
Stability at Low Temperature 溫度特性	<table><tr><td colspan="2">Rated voltage (V)</td><td>550</td><td>600</td></tr><tr><td rowspan="2">Impedance Ratio 阻抗比</td><td>Z-25℃/Z+20℃</td><td>12</td><td>15</td></tr><tr><td>Z-40℃/Z+20℃</td><td>14</td><td>18</td></tr></table>			Rated voltage (V)		550	600	Impedance Ratio 阻抗比	Z-25℃/Z+20℃	12	15	Z-40℃/Z+20℃	14	18
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(Frequency:120Hz)														
Endurance 耐久性	After applying rated voltage with rated ripple current for 2000 hours at 105 °C, the capacitors shall meet the following requirements. 在105 °C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，滿足以下各項要求													
	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												
Shelf Life 高溫無負荷	After storing the capacitors under no load at 105 °C for 1000 hours and then performing voltage treatment based on JIS C 5101-4 clause 4.1 at 20 °C, 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 °C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	1KHz	10KHz	100KHz ~
Coefficient 係數	0.80	1.00	1.30	1.60	2.00

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■ RADIAL LEAD TYPE 尺寸圖



φD	12.5	16	18
P	5.0	7.5	7.5
φd	※0.6	0.8	0.8
β	0.5	0.5	0.5
α	L<20 : 1.5		
	L≥20 : 2.0		

※In case L ≥ 35 for the φ12.5 dia. unit, lead dia. φd = 0.8mm

■ DIMENSIONS 尺寸

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

W.V S.V	Item	550V 600V		600V 650V	
		Size D x L(mm)	Ripple	Size D x L(mm)	Ripple
	10	12.5 x 20	120		
	18	12.5 x 25	140		
	22	12.5 x 30.5	160	12.5 x 35.5	180
		16 x 20	165	16 x 25	185
	27	12.5 x 35.5	200	12.5 x 40	220
		16 x 25	190	16 x 30.5	215
	33	16 x 30.5	220	16 x 35.5	245
		18 x 20	220	18 x 25	230
	39	18 x 25	260	18 x 30.5	275
	47	16 x 35.5	320	16 x 40	325
		18 x 30.5	320	18 x 35.5	330
	56	16 x 40	380	18 x 40	385
		18 x 35.5	380		
	68	18 x 40	440	18 x 45	450
	82	18 x 45	520	18 x 50	535
	100	18 x 50	605		