

- Miniaturized, Low Impedance
- 小型化尺寸、低阻抗

■ SPECIFICATIONS 規格表

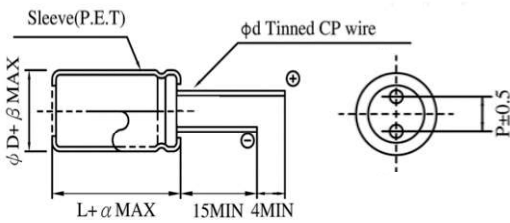
Item	Performance Characteristics 特性				
Operating Temperature Range 工作溫度範圍	-40 ~ +105°C				
Voltage Range 額定電壓範圍	6.3 ~ 16V				
Capacitance Tolerance 靜電容量容許差	±20% at 120Hz,20°C				
Leakage Current 漏電流	After 2 minutes application of rated voltage, leakage current is lower than 0.03CV I = 0.03CV以下 (2分鐘) 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	For capacitance of more than 1000 µF, add 0.02 for every increase of 1000 µF 對於超過1000 µF產品，每增加1000 µF，其值增加0.02				
	Rated voltage (V) 額定電壓	6.3	10	16	
	Tanδ (MAX)	0.22	0.19	0.16	
	(Frequency : 120Hz , Temperature : 20°C)				
Stability at Low Temperature 溫度特性	Rated voltage (V)		6.3	10	16
	Impedance Ratio 阻抗比	Z-40°C/Z+20°C	3	3	3
	ZT/Z 20 (MAX)				
(Frequency:120Hz)					
Endurance 耐久性	After applying rated voltage with rated ripple current for 3000 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3000小時後，滿足下列各項要求				
	Capacitance Change 靜電容量變化率	Within ±25% of initial Value 初期值的±25%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°C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

V	Frequency	120Hz	1KHz	10KHz	100KHz ~
	Cap(µF)				
6.3~16	470~1000	0.75	0.90	0.98	1.00
	1200~3300	0.80	0.95	1.00	1.00

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■ RADIAL LEAD TYPE 尺寸圖



ΦD	8	10
P	3.5	5.0
Φd	0.6	0.6
β	0.5	0.5
α	L < 20 : 1.5	
	L ≥ 20 : 2.0	

■ DIMENSIONS 尺寸

Rated Ripple Current(mA r.m.s. at 105°C,100KHz)

Cap(μF)	Item	6.3V 8V			10V 13V			16V 20V		
		Size D x L(mm)	Ripple	Impedance (ΩMAX) 20°C/100KHz	Size D x L(mm)	Ripple	Impedance (ΩMAX) 20°C/100KHz	Size D x L(mm)	Ripple	Impedance (ΩMAX) 20°C/100KHz
470								8 x 11.5	1140	0.036
680					8 x 11.5	1140	0.036	8 x 15	1490	0.028
								10 x 12.5	1540	0.026
820		8 x 11.5	1140	0.036						
1000					8 x 15	1490	0.028	8 x 20	1870	0.021
					10 x 12.5	1540	0.026	10 x 16	2000	0.019
1200		8 x 15	1490	0.028						
1500		10 x 12.5	1540	0.026	8 x 20	1870	0.021	10 x 20	2550	0.013
					10 x 16	2000	0.019			
1800		8 x 20	1870	0.021	10 x 20	2550	0.013	10 x 25	2800	0.012
		10 x 16	2000	0.019						
2200		10 x 20	2550	0.013	10 x 25	2800	0.012			
3300		10 x 25	2800	0.012						