

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

■ SPECIFICATIONS 規格表

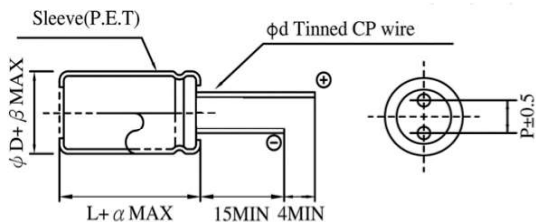
Item	Performance Characteristics 特性																										
Operating Temperature Range 工作溫度範圍	-40 ~ +105°C																										
Voltage Range 額定電壓範圍	200 ~ 500V																										
Capacitance Tolerance 靜電容量容許差	±20% at 120Hz, 20°C																										
Leakage Current 漏電流	After 1 minute 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 border="1"> <tr> <td>Rated voltage (V) 額定電壓</td> <td>200</td> <td>220</td> <td>250</td> <td>400</td> <td>420</td> <td>450</td> <td>500</td> </tr> <tr> <td>Tanδ (MAX)</td> <td>0.15</td> <td>0.15</td> <td>0.15</td> <td>0.15</td> <td>0.15</td> <td>0.15</td> <td>0.20</td> </tr> </table> (Frequency : 120Hz , Temperature : 20°C)	Rated voltage (V) 額定電壓	200	220	250	400	420	450	500	Tanδ (MAX)	0.15	0.15	0.15	0.15	0.15	0.15	0.20										
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Stability at Low Temperature 溫度特性	<table border="1"> <tr> <td colspan="2">Rated voltage (V)</td> <td>200</td> <td>220</td> <td>250</td> <td>400</td> <td>420</td> <td>450</td> <td>500</td> </tr> <tr> <td rowspan="2">Impedance Ratio 阻抗比</td> <td>Z-25°C/Z+20°C</td> <td>3</td> <td>3</td> <td>3</td> <td>8</td> <td>8</td> <td>8</td> <td>8</td> </tr> <tr> <td>ZT/Z 20 (MAX)</td> <td>6</td> <td>6</td> <td>6</td> <td>10</td> <td>10</td> <td>10</td> <td>10</td> </tr> </table> (Frequency:120Hz)	Rated voltage (V)		200	220	250	400	420	450	500	Impedance Ratio 阻抗比	Z-25°C/Z+20°C	3	3	3	8	8	8	8	ZT/Z 20 (MAX)	6	6	6	10	10	10	10
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	ZT/Z 20 (MAX)	6	6	6	10	10	10	10																			
Endurance 耐久性	<p>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，滿足下列各項要求</p> <table border="1"> <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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Shelf Life 高溫無負荷	<p>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</p>																										

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

Frequency 頻率	50Hz~60Hz	120Hz	300Hz	1KHz	10KHz ~
Coefficient 係數	0.80	1.00	1.25	1.40	1.60

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■ RADIAL LEAD TYPE 尺寸圖



ΦD	8	10	12.5	16	18
P	3.5	5.0	5.0	7.5	7.5
Φd	0.6	0.6	※0.6	0.8	0.8
β	0.5	0.5	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)

Cap(μF)	Item	200V		220V		250V		400V	
		Size D x L(mm)	Ripple	Size D x L(mm)	Ripple	Size D x L(mm)	Ripple	Size D x L(mm)	Ripple
2.2							8 x 11.5	31	
3.3							8 x 11.5	35	
4.7		8 x 11.5	40				8 x 11.5	41	
6.8		8 x 11.5	55				8 x 15	55	
							10 x 12.5	60	
10		8 x 11.5	78	8 x 11.5	82	10 x 12.5	85	10 x 12.5	70
15		8 x 15	95	10 x 12.5	100	10 x 16	100	10 x 16	88
22		10 x 16	115	10 x 16	120	10 x 20	160	12.5 x 15	150
27		10 x 16	135	10 x 16	140	10 x 25	185	12.5 x 20	180
33		10 x 20	180	10 x 20	190	12.5 x 20	230	12.5 x 20	180
47		10 x 25	230	10 x 25	235	10 x 30.5	270	12.5 x 25	250
		12.5 x 20	250	12.5 x 20	260	12.5 x 25	280	16 x 20	300
56		12.5 x 25	270	12.5 x 25	280	12.5 x 25	300	16 x 25	390
								18 x 20	350
								16 x 25	325
68		12.5 x 25	325	16 x 20	345	12.5 x 30.5	330	16 x 25	430
		16 x 20	340					16 x 25	350
82		12.5 x 30.5	370	16 x 20	380	12.5 x 30.5	400	12.5 x 35.5	410
		16 x 20	370					18 x 20	430
		16 x 25	430					16 x 25	445
100		18 x 20	390	18 x 20	400	18 x 20	425	16 x 30.5	540
								18 x 25	500
								16 x 30.5	500
120		16 x 30.5	500	16 x 30.5	510	16 x 30.5	530	16 x 35.5	570
		18 x 25	460	18 x 25	480	18 x 25	500	18 x 30.5	600
150		16 x 30.5	560	16 x 30.5	585	16 x 30.5	620	16 x 40	650
		18 x 25	560	18 x 25	585	18 x 25	620	18 x 35.5	765
180		16 x 35.5	630	16 x 35.5	675	16 x 35.5	720	18 x 40	825
		18 x 30.5	630	18 x 30.5	675	18 x 30.5	720		
220		18 x 30.5	690	18 x 35.5	775	18 x 35.5	830	18 x 45	850
270		18 x 35.5	850	18 x 35.5	880	18 x 40	950	18 x 50	920
330		18 x 35.5	950	18 x 35.5	970	18 x 40	975		
390		18 x 40	1000	18 x 40	1000	18 x 40	1000		
470		18 x 40	1100	18 x 40	1200	18 x 45	1200		
560		18 x 45	1150	18 x 45	1300				

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■ DIMENSIONS 尺寸

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

w.v S.V	420V 470V		450V 500V		500V 550V		
	Item	Size D x L(mm)	Ripple	Size D x L(mm)	Ripple	Size D x L(mm)	Ripple
1				8 x 15	21		
2.2				10 x 12.5	24		
3.3				10 x 12.5	36		
4.7		10 x 16	55	10 x 16	61		
6.8		10 x 16	65	10 x 16	65		
10		10 x 16	90	10 x 16	78	12.5 x 20	117
15		10 x 20	120	10 x 20	95	12.5 x 20	125
18		12.5 x 20	150	12.5 x 20	160	12.5 x 25	170
22		12.5 x 20	180	12.5 x 20	180	16 x 20	210
27				12.5 x 25	220	16 x 20	230
33		16 x 20	230	16 x 25	250	16 x 20	279
47		16 x 25	330	16 x 25	300	16 x 25	310
		18 x 20	330	18 x 20	310	18 x 20	300
56		16 x 25	350	16 x 30.5	410	16 x 30.5	360
68		16 x 25	380	18 x 25	400	16 x 35.5	420
82		18 x 25	490	18 x 30.5	500	18 x 40	575
100		12.5 x 50	540	16 x 35.5	550	18 x 45	648
		16 x 30.5	570	18 x 30.5	550		
120		18 x 30.5	600	18 x 35.5	670	18 x 50	693
150		18 x 35.5	680	18 x 40	750	18 x 50	750
180		18 x 40	800	18 x 45	860		
220		18 x 50	900				