

Features

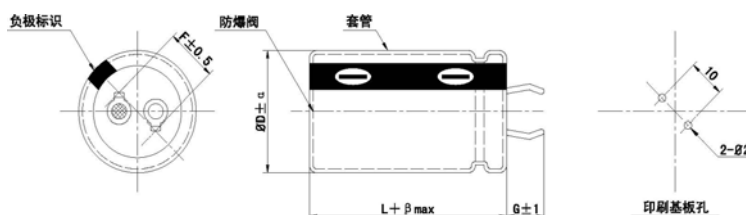
- 105°C, 2000 hours, snap-in terminal
- Suitable for using in filtering circuit of color TV, computer and home appliances,



◆ Specifications

Items	Characteristics										
Rated Voltage Range	50~450V.DC										
Operating Temperature Range	-40°C~+105°C										
Capacitance Tolerance	±10%(K) , ±20%(M) (25°C,100 or 120Hz)										
Leakage Current	$I \leq 0.02CV$ or 3mA, whichever is greater. Where, I:Max.leakage current (μA), C:Nominal capacitance (μF), V:Rated voltage (V) (at 25°C after 2 minutes).										
Dissipation Factor (tan δ)	(25°C,100 or 120Hz) <table border="1" style="margin-left: 20px;"> <tr> <td>Rated voltage(V_{dc})</td> <td>50~63</td> <td>80~100</td> <td>160~200</td> <td>250~450</td> </tr> <tr> <td>tanδ(Max.)</td> <td>0.25</td> <td>0.20</td> <td>0.18</td> <td>0.20</td> </tr> </table> When nominal capacitance exceeds 4700 μF , add 0.02 to the value above for each 2000 μF increase.	Rated voltage(V _{dc})	50~63	80~100	160~200	250~450	tan δ (Max.)	0.25	0.20	0.18	0.20
Rated voltage(V _{dc})	50~63	80~100	160~200	250~450							
tan δ (Max.)	0.25	0.20	0.18	0.20							
Low Temperature Characteristics (Max.Impedance Ratio)	Impedance ratio at 100Hz or 120Hz shall not exceed the values given in the below table. <table border="1" style="margin-left: 20px;"> <tr> <td>Rated voltage(V_{dc})</td> <td>50~100</td> <td>160~180</td> <td>200~450</td> </tr> <tr> <td>Z_{-40°C}/Z_{+20°C}</td> <td>6</td> <td>4</td> <td>7</td> </tr> </table>	Rated voltage(V _{dc})	50~100	160~180	200~450	Z _{-40°C} /Z _{+20°C}	6	4	7		
Rated voltage(V _{dc})	50~100	160~180	200~450								
Z _{-40°C} /Z _{+20°C}	6	4	7								
Shelf Life	After storage at 105°C for 1000 hours, the capacitors shall meet the following requirements. <table border="1" style="margin-left: 20px;"> <tr> <td>Capacitance Change</td> <td>$\leq \pm 20\%$ of the initial value</td> </tr> <tr> <td>D.F. (tanδ)</td> <td>$\leq 200\%$ of the initial specified value</td> </tr> <tr> <td>Leakage Current</td> <td>$\leq 200\%$ of the initial specified value</td> </tr> </table>	Capacitance Change	$\leq \pm 20\%$ of the initial value	D.F. (tan δ)	$\leq 200\%$ of the initial specified value	Leakage Current	$\leq 200\%$ of the initial specified value				
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D.F. (tan δ)	$\leq 200\%$ of the initial specified value										
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Load Life	After application of rated voltage with ripple current for 2000hours at +105°C, the following specification shall be satisfied. <table border="1" style="margin-left: 20px;"> <tr> <td>Capacitance Change</td> <td>$\leq \pm 20\%$ of the initial value</td> </tr> <tr> <td>D.F. (tanδ)</td> <td>$\leq 200\%$ of the initial specified value</td> </tr> <tr> <td>Leakage Current</td> <td>\leq the initial specified value</td> </tr> </table>	Capacitance Change	$\leq \pm 20\%$ of the initial value	D.F. (tan δ)	$\leq 200\%$ of the initial specified value	Leakage Current	\leq the initial specified value				
Capacitance Change	$\leq \pm 20\%$ of the initial value										
D.F. (tan δ)	$\leq 200\%$ of the initial specified value										
Leakage Current	\leq the initial specified value										
Others	Meet Q/RME 132—2011, GB/T 5993-2003										

◆ Dimensions



	mm			
D	22	25	30	35
F	10			
G	6.0			
α	1.0			
β	2.0			



Size and Max Ripple Current

Voltage (V)	Capacitance (μF)	Size ΦD×L (mm)	tanδ	IR (mArms, 105°C, 100KHz)
50	4700	30×30	0.25	4.6
63	4700	22×50	0.25	4.8
	4700	22×60	0.25	5.21
	4700	25×50	0.25	5.15
	6800	35×35	0.27	6.46
	10000	35×60	0.29	9.36
75	4700	22×60	0.25	4.97
80	1000	22×30	0.20	1.86
	1500	25×25	0.20	2.17
	2200	22×40	0.20	3.13
	2200	25×30	0.20	2.98
	3300	25×50	0.20	4.54
	3300	30×30	0.20	4.07
	3900	22×60	0.20	5.01
	4700	30×50	0.20	6.01
	6800	25×65	0.22	6.97
	10000	35×70	0.24	10.5
100	1000	22×40	0.20	2.00
	1200	22×50	0.20	2.42
	1800	22×50	0.20	2.96
	1800	25×35	0.20	2.73
	2200	22×50	0.20	3.28
	2200	22×60	0.20	3.56
	2700	30×40	0.20	3.93
	3300	35×35	0.20	4.50
	160	330	30×25	0.18
470		25×35	0.18	1.80
1000		30×30	0.18	2.75
1200		30×50	0.18	3.72
1500		30×50	0.18	4.16
1800		30×50	0.18	4.55
2200		35×50	0.18	4.68
2200		35×60	0.18	5.94
180	3300	35×60	0.18	6.51
3800	35×70	0.18	6.83	
200	330	22×35	0.18	1.50
	470	30×30	0.18	1.88
	470	35×30	0.18	2.21
	560	22×40	0.18	2.07
	560	25×35	0.18	2.10
	680	25×45	0.18	2.58
	680	30×30	0.18	3.42
	1000	30×50	0.18	3.63

Voltage (V)	Capacitance (μF)	Size ΦD×L (mm)	tanδ	IR (mArms, 105°C, 100KHz)	
200	1000	35×30	0.18	3.21	
	1200	30×45	0.18	3.80	
	1200	30×50	0.18	3.98	
	1500	30×60	0.18	4.82	
	1500	35×50	0.18	5.24	
	2200	30×70	0.18	6.24	
	2200	35×70	0.18	6.80	
	3300	35×70	0.18	8.33	
250	220	22×35	0.20	1.22	
	330	25×35	0.20	1.61	
	330	30×30	0.20	1.68	
	4700	30×35	0.20	2.00	
	4700	35×30	0.20	2.21	
	6800	30×40	0.20	2.72	
	6800	30×50	0.20	2.99	
	1000	30×70	0.20	4.20	
	400	100	22×30	0.20	0.77
		100	25×20	0.20	0.71
120		25×25	0.20	0.84	
120		30×25	0.20	0.95	
150		30×25	0.20	1.05	
220		25×40	0.20	1.40	
220		25×45	0.20	1.47	
330		30×40	0.20	1.89	
470		35×50	0.20	2.72	
560		35×50	0.20	2.96	
1000		35×70	0.20	4.58	
1000		35×80	0.20	4.86	
450	100	22×35	0.20	0.89	
	100	25×30	0.20	0.90	
	150	25×35	0.20	1.17	
	150	30×30	0.20	1.23	
	180	35×30	0.20	1.47	
	220	30×35	0.20	1.58	
	220	35×30	0.20	1.64	
	270	35×30	0.20	1.80	
	330	30×50	0.20	2.25	
	330	35×35	0.20	2.12	
	470	35×50	0.20	2.93	
	560	35×50	0.20	3.20	
	680	35×60	0.20	3.81	

◆ Ripple Current Multiplier Frequency Coefficient

Frequency (Hz)	50/60	100/120	1K	≥10K
50~100V	0.9	1.0	1.15	1.25
160~450V	0.8	1.0	1.25	1.45