



Features

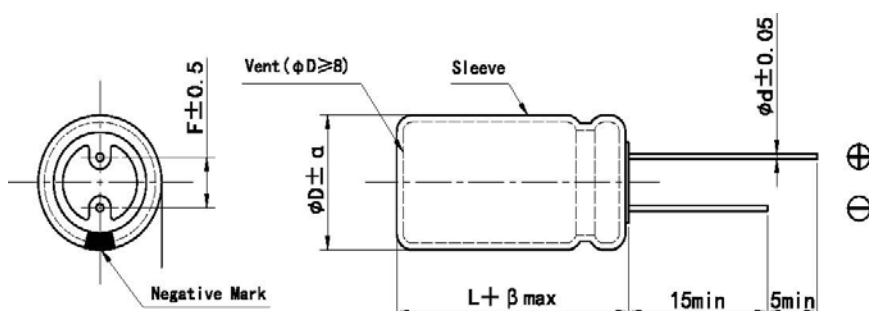
- 105°C, 12000 hours, high Ripple, Low impedance, Long life.
- Suitable for using in switching power, LCD TV, LED, special Control power supply and smart meter.



Specifications

Items	Characteristics																			
Rated Voltage Range	250~450V.DC																			
Operating Temperature Range	-40℃~+105℃																			
Capacitance Tolerance	±20%(M) (25℃,100 or 120Hz)																			
Leakage Current	I≤0.02CV+10(μA) Where,I:Max.leakage current(μA),C:Nominal capacitance(μF),V:Rated voltage(V) After 2 minutes at 25℃.																			
Dissipation Factor (tanδ)	(25℃,100 or 120Hz) <table><tr><td>Rated voltage(V_{dc})</td><td>250</td><td>350</td><td>400</td><td>450</td></tr><tr><td>tanδ(Max.)</td><td>0.20</td><td>0.20</td><td>0.20</td><td>0.22</td></tr></table>					Rated voltage(V _{dc})	250	350	400	450	tanδ(Max.)	0.20	0.20	0.20	0.22					
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Low Temperature Characteristics (Max.Impedance Ratio)	Impedance ratio at 100Hz or 120Hz shall not exceed the values given in the below table. <table><tr><td>Rated voltage(V_{dc})</td><td>250~450</td></tr><tr><td>Z_{-40℃}/Z_{+20℃}</td><td>7</td></tr></table>					Rated voltage(V _{dc})	250~450	Z _{-40℃} /Z _{+20℃}	7											
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Shelf Life	After storage at 105℃ for 1000 hours, the capacitors shall meet the following requirements. <table><tr><td>Capacitance Change</td><td>≤±20% of the initial value</td></tr><tr><td>D.F. (tanδ)</td><td>≤200% of the initial specified value</td></tr><tr><td>Leakage Current</td><td>≤200% of the initial specified value</td></tr></table>					Capacitance Change	≤±20% of the initial value	D.F. (tanδ)	≤200% of the initial specified value	Leakage Current	≤200% of the initial specified value									
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Load Life	After application of rated voltage with rated ripple current for the specified period of time at +105℃,the following specification shall be satisfied. <table><tr><td>Capacitance Change</td><td>≤±20% of the initial value</td><td rowspan="4"><table><tr><td>Dia.(mm)</td><td>Life Time</td></tr><tr><td>10</td><td>8000 hours</td></tr><tr><td>13</td><td>10000 hours</td></tr><tr><td>Over 16</td><td>12000 hours</td></tr></table></td></tr><tr><td>D.F. (tanδ)</td><td>≤200% of the initial specified value</td></tr><tr><td>Leakage Current</td><td>≤the initial specified value</td></tr></table>					Capacitance Change	≤±20% of the initial value	<table><tr><td>Dia.(mm)</td><td>Life Time</td></tr><tr><td>10</td><td>8000 hours</td></tr><tr><td>13</td><td>10000 hours</td></tr><tr><td>Over 16</td><td>12000 hours</td></tr></table>	Dia.(mm)	Life Time	10	8000 hours	13	10000 hours	Over 16	12000 hours	D.F. (tanδ)	≤200% of the initial specified value	Leakage Current	≤the initial specified value
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Others	Meet Q/RME 46—2008, GB/T 5993-2003																			

Dimensions



	mm			
D	10	13	16	18
d	0.6	0.6	0.8	
F	5.0		7.5	
α	0.5			
β	2.0			



◆ Size And Max Ripple Current

Voltage (V)	Cap. (μF)	Size ΦD×L (mm)	tanδ	I _R (mA _{rms} , 105°C, 120Hz)	I _R (mA _{rms} , 105°C, 100KHz)
160	10	10×16	0.20	125	315
	22	10×20	0.20	200	500
	33	10×20	0.20	250	625
	47	10×20	0.20	300	750
	68	13×20	0.20	470	1175
	82	13×20	0.20	510	1275
	100	13×25	0.20	620	1395
	100	16×20	0.20	630	1420
	150	16×20	0.20	770	1735
	220	16×25	0.20	1020	2295
	330	18×30	0.20	1390	3030
200	10	10×16	0.20	125	315
	22	10×20	0.20	200	500
	33	10×20	0.20	260	650
	47	13×20	0.20	390	975
	68	13×20	0.20	470	1175
	82	16×20	0.20	550	1375
	100	16×20	0.20	630	1420
	150	16×25	0.20	840	1890
	220	18×25	0.20	1050	2365
	330	18×35	0.20	1430	3220
250	10	10×16	0.20	140	350
	22	10×20	0.20	200	500
	33	13×20	0.20	320	800
	47	13×20	0.20	390	975
	68	16×20	0.20	520	1300
	82	16×20	0.20	550	1375
	100	16×25	0.20	680	1530
	150	18×25	0.20	860	1935
	220	18×30	0.20	1130	2545
350	6.8	10×16	0.20	110	275
	10	10×20	0.20	140	350

Voltage (V)	Cap. (μF)	Size ΦD×L (mm)	tanδ	I _R (mA _{rms} , 105°C, 120Hz)	I _R (mA _{rms} , 105°C, 100KHz)
350	22	13×20	0.20	260	650
	33	16×20	0.20	360	900
	47	16×20	0.20	430	1075
	68	16×25	0.20	560	1400
	68	18×20	0.20	550	1375
	82	18×25	0.20	610	1525
	100	18×25	0.20	700	1575
	120	18×30	0.20	830	1865
	150	18×35	0.20	960	2160
400	6.8	10×16	0.20	110	275
	10	10×20	0.20	140	350
	15	13×20	0.20	220	550
	22	13×20	0.20	260	650
	33	16×20	0.20	360	900
	47	16×25	0.20	470	1175
	47	18×20	0.20	450	1125
	68	18×25	0.20	585	1465
	82	18×25	0.20	610	1525
	100	18×30	0.20	765	1720
	120	18×35	0.20	865	1945
	150	18×40	0.20	985	2215
450	6.8	10×20	0.22	110	275
	10	13×20	0.22	180	450
	15	13×25	0.22	240	600
	22	16×20	0.22	290	725
	33	16×25	0.22	390	975
	33	18×20	0.22	380	950
	47	18×25	0.22	480	1200
	68	18×30	0.22	630	1575
	82	18×35	0.22	715	1785
	100	18×40	0.22	800	1800

Ripple Current Multiplier

Frequency Coefficient

Frequency	50/60	100/120	1K	10K	100K
6.8μF~82μF	0.7	1.0	1.75	2.25	2.50
100μF~330μF	0.75	1.0	1.67	2.05	2.25