Features

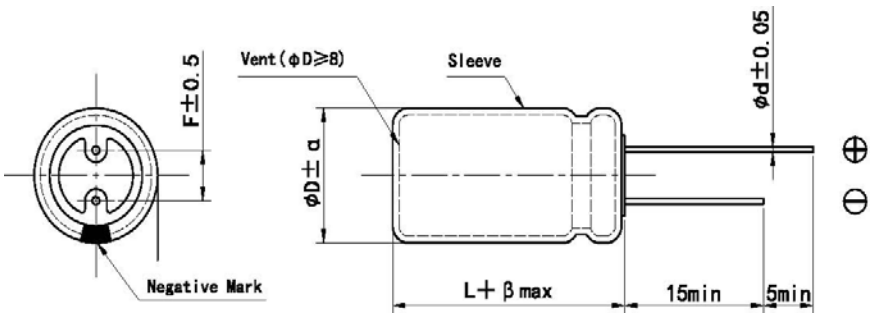
- 105℃，12000 hours, high Ripple, Low impedance, Long life.
- Suitable for using in switching power,LCD TV, LED,special Control power supply and smart meter.

◆ 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) Rated voltage(V_{dc}) 250 350 400 450 tanδ(Max.) 0.20 0.20 0.20 0.22
Low Temperature Characteristics (Max.Impedance Ratio)	Impedance ratio at 100Hz or 120Hz shall not exceed the values given in the below table. Rated voltage(V_{dc}) 250～450 $Z_{-40℃}/Z_{+20℃}$ 7
Shelf　Life	After storage at 105℃ for 1000 hours, the capacitors shall meet the following requirements. Capacitance Change ≤±20％ of the initial value D.F. (tanδ) ≤200% of the initial specified value Leakage Current ≤200% of the initial specified value
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. Capacitance Change ≤±20％ of the initial value D.F. (tanδ) ≤200% of the initial specified value Leakage Current ≤the initial specified value Dia.(mm) / Life Time: 10 / 8000 hours; 13 / 10000 hours; Over 16 / 12000 hours
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	IR (mArms，105℃，120Hz)	IR (mArms，105℃，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	16x25	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	IR (mArms，105℃，120Hz)	IR (mArms，105℃，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