Features

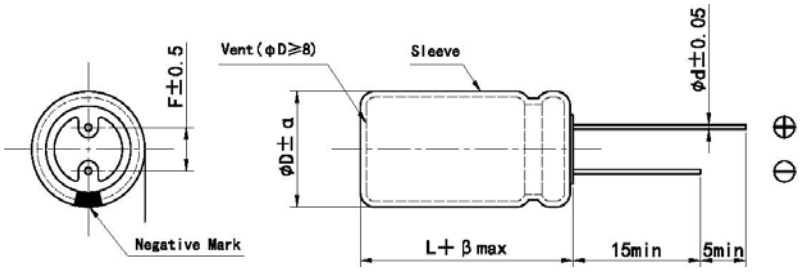
- 125℃, 5000 hours, Long life.
- Designed for energy-saving lamps, automobile modules and other high temperature applications。

◆ Specifications

Items	Characteristics
Rated Voltage Range	10～400V. DC
Operating Temperature Rang	－40℃～125℃
Capacitance Tolerance	±20%(M) (25℃, 100 or 120Hz)
Leakage Current	I≤0.02CV or 3(μA) After 2 minutes at 25℃. (6.3V～100V) I≤0.03CV +10(μA) After 2 minutes at 25℃. (200V～400V) Where, I:Max. leakage current(μA), C:Nominal capacitance(μF), V:Rated voltage(V)
Dissipation Factor (tan δ)	(25℃, 100 or 120Hz) Rated voltage(V_{dc}) 10 / 16 / 25 / 35 / 50～100 / 200 / 400 tan δ (Max.) 0.20 / 0.16 / 0.14 / 0.12 / 0.10 / 0.12 / 0.15 When nominal capacitance exceeds 1000μF, add 0.02 to the value above for each 1000μF increase.
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}) 10 / 16～100 / 200 / 400 $Z_{-40℃}/Z_{+20℃}$ 6 / 4 / 6 / 10 When nominal capacitance exceeds 1000μF, add 1 to the value above for each 1000μF increase.
Shelf Life	After storage at 125℃ for 1000 hours, the capacitors shall meet the following requirements. (500 hours for 400V). Capacitance Change: ≤±20% of the initial value D.F. (tan δ): ≤200% of the initial specified value Leakage Current: ≤500% of the initial specified value
Load Life	After application of rated voltage with rated ripple current for the specified period of time at +125℃, the capacitors shall meet the following limits. Capacitance Change: ≤±20% of the initial value D.F. (tan δ): ≤200% of the initial specified value Leakage Current: ≤the initial specified value Dia. (mm) / Life Time: 6.3 / 2000 hours; 8 / 3000 hours; 10 / 4000 hours; Over 13 / 5000 hours
Others	Meet Q/RME 47-2008, GB/T 5993-2003

◆ Dimensions

mm



D	6.3	8	10	13	16	18
d	0.5		0.6	0.6	0.8	
F	2.5	3.5	5.0		7.5	
α	0.5					
β	1.0	2.0				

◆ Size and Max Ripple Current

Voltage (V)	Capacitance (μF)	Size ΦD×L (mm)	tan δ	Z (Ω, 25℃, 100KHz)	IR (mArms, 125℃, 100KHz)
10	330	10×12	0.20	0.17	800
	470	10×12	0.20	0.17	800
	1000	10×20	0.20	0.094	1300
16	220	10×12	0.16	0.17	800
	330	10×12	0.16	0.17	800
	470	10×16	0.16	0.12	1050
25	220	10×12	0.14	0.17	800
	330	10×16	0.14	0.12	1050
	470	10×20	0.14	0.094	1300
35	100	10×12	0.12	0.17	800
	220	10×16	0.12	0.12	1050
	330	10×20	0.12	0.094	1300
50	100	10×12	0.10	0.3	590
	220	10×20	0.10	0.19	970
63	33	8×12	0.10	0.40	250
	47	10×12	0.10	0.27	400
	100	10×16	0.10	0.20	450
	220	13×20	0.10	0.10	820
	330	13×25	0.10	0.072	1000
	470	16×25	0.10	0.069	1500
	1000	16×30	0.10	0.056	1850
	1500	18×40	0.10	0.043	2350
100	4.7	8×12	0.10	1.3	100
	10	8×12	0.10	1.0	200
	22	8×12	0.10	0.67	220
	33	10×12	0.10	0.45	260
	47	10×16	0.10	0.33	330
	100	13×20	0.10	0.17	670
	220	16×25	0.10	0.13	1100
	330	16×30	0.10	0.10	1300
	470	18×30	0.10	0.092	1600

Voltage (V)	Capacitance (μF)	Size ΦD×L (mm)	tan δ	IR (mArms, 125℃, 100KHz)
200	4.7	6.3×11	0.12	100
	4.7	8×12	0.12	120
	5.6	8×12	0.12	130
	5.6	8×16	0.12	180
	6.8	8×12	0.12	130
	6.8	8×16	0.12	180
	10	8×16	0.12	200
	10	8×20	0.12	240
	15	8×16	0.12	200
	15	8×20	0.12	240
	22	8×20	0.12	240
	22	10×16	0.12	240
	33	10×20	0.12	320
400	1	6.3×11	0.15	60
	1	8×12	0.15	65
	1.5	8×12	0.15	75
	1.5	8×16	0.15	80
	1.8	8×12	0.15	75
	1.8	8×16	0.15	85
	2.2	8×12	0.15	75
	2.2	8×16	0.15	90
	2.2	8×20	0.15	110
	2.7	8×16	0.15	95
	2.7	8×20	0.15	115
	3.3	8×16	0.15	100
	3.3	8×20	0.15	120
	4.7	8×20	0.15	120
	4.7	10×16	0.15	125
	5.6	10×16	0.15	130
	5.6	10×20	0.15	145
	6.8	10×20	0.15	150

Ripple Current Multiplier

Frequency Coefficient

10V～100V:

Frequency (Hz)	100/120	1K	10K	100K
4.7μF～100μF	0.40	0.75	0.90	1.00
220μF～470μF	0.50	0.85	0.94	1.00
1000μF～1500μF	0.60	0.87	0.95	1.00

200V～400V:

Frequency (Hz)	100/120	1K	10K	100K
1μF～5.6μF	0.20	0.40	0.80	1.00
6.8μF～15μF	0.30	0.60	0.90	1.00
22μF～33μF	0.50	0.80	0.90	1.00