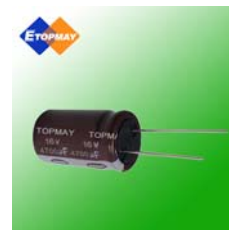




Features

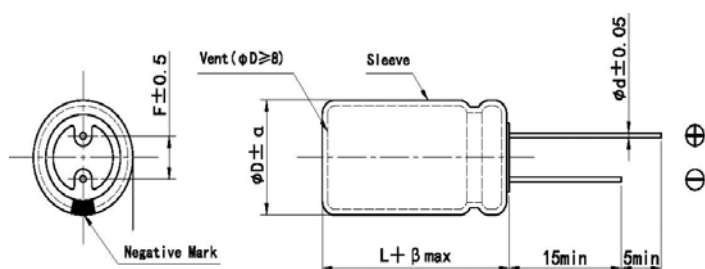
- 125°C, 2000 hours
- Designed for energy-saving lamps, automobile modules and other high temperature applications.

◆ Specifications



Items	Characteristics								
Rated Voltage Range	6.3~450V.DC								
Operating Temperature Rang	-55~+125℃（6.3V~63V）；-40~+125℃（80V~450V）								
Capacitance Tolerance	±20%(M)（25℃,100 or 120Hz）								
Leakage Current	I≤0.02 CV or 3(μA)（6.3V~100V）I≤0.03 CV +10 (μA)（160V~450V） Where,I:max.leakage current(μA), C: Nominal capacitance(μ F),V:Rated voltage(V)(At 25℃ after 2 minutes)								
Dissipation Factor tanδ	(25℃,100 or 120Hz)								
	Rated voltage(V _{dc})	6.3	10	16	25	35	50~100	160~250	350~450
	tanδ(Max.)	0.24	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})	6.3~16	25~63	80~100	160~250	350~450			
	Z _{-40℃} /Z _{+20℃}	/	/	4	6	10			
	Z _{-55℃} /Z _{+20℃}	5	4	/	/	/			
	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 350V~450V）								
	Capacitance Change		≤±20% of the initial value						
	D.F.(tanδ)		≤ 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 2000hours at +125℃, the capacitors shall meet the following limits.								
	Capacitance Change		≤ ±20% of the initial value						
	D.F.(tanδ)		≤ 200% of the initial specified value						
	Leakage Current		≤ the Initial specified value						
Others	Meet Q/RME 40-2008, GB/T 5993-2003								

◆ Dimensions



mm

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



◆ Size and Max Ripple Current

Voltage (V)	Capacitance (μF)	Size ΦD×L (mm)	tanδ	Z (Ω, 25°C, 100KHz)	I _R (mA _{rms} , 125°C, 100KHz)
10	220	8×12	0.20	0.32	340
	330	10×12	0.20	0.15	620
	470	10×12	0.20	0.15	620
	1000	10×20	0.20	0.075	950
	2200	13×25	0.22	0.040	1350
	3300	16×25	0.24	0.031	1620
	4700	16×30	0.26	0.025	1860
16	100	8×12	0.16	0.32	340
	220	10×12	0.16	0.15	620
	330	10×12	0.16	0.15	620
	470	10×16	0.16	0.094	790
	1000	13×20	0.16	0.058	1080
	2200	16×25	0.18	0.031	1620
	3300	16×30	0.20	0.025	1860
25	100	8×12	0.14	0.32	340
	220	10×12	0.14	0.15	620
	330	10×16	0.14	0.094	790
	470	10×20	0.14	0.075	950
	1000	13×25	0.14	0.040	1350
	2200	16×30	0.16	0.025	1860
35	100	8×12	0.12	0.32	340
	100	10×12	0.12	0.15	620
	220	10×16	0.12	0.094	790
	330	10×20	0.12	0.075	950
	470	13×20	0.12	0.058	1080
	1000	16×25	0.12	0.031	1620
50	10	8×12	0.10	0.75	180
	22	8×12	0.10	0.50	250
	33	8×12	0.10	0.50	280

Voltage (V)	Capacitance (μF)	Size ΦD×L (mm)	tanδ	Z (Ω, 25°C, 100KHz)	I _R (mA _{rms} , 125°C, 100KHz)
50	47	8×12	0.10	0.50	280
	100	10×12	0.10	0.20	520
	220	10×20	0.10	0.098	880
	330	13×20	0.10	0.081	990
	470	13×25	0.10	0.059	1150
	1000	16×30	0.10	0.032	1590
63	33	8×12	0.10	1.5	150
	47	10×12	0.10	0.59	530
	100	10×16	0.10	0.41	690
	220	13×20	0.10	0.16	1050
	330	13×25	0.10	0.12	1290
	470	13×30	0.10	0.097	1460
	1000	16×30	0.10	0.059	1850
80	22	8×12	0.10	1.5	150
	33	10×12	0.10	0.80	480
	47	10×12	0.10	0.80	480
	100	10×20	0.10	0.39	790
	220	13×25	0.10	0.18	1240
	330	13×30	0.10	0.16	1390
	470	16×25	0.10	0.11	1500
100	4.7	8×12	0.10	2.0	130
	10	8×12	0.10	1.5	150
	22	10×12	0.10	0.80	480
	33	10×12	0.10	0.80	480
	47	10×16	0.10	0.55	630
	100	13×20	0.10	0.25	990
	220	16×25	0.10	0.11	1500
	330	16×30	0.10	0.079	1790



◆ Size and Max Ripple Current

Voltage (V)	Capacitance (μF)	Size ΦD×L (mm)	tanδ	IR (mArms, 125°C, 120Hz)
160	22	10×20	0.12	115
	33	10×25	0.12	154
	47	13×20	0.12	187
	68	13×25	0.12	245
	100	16×25	0.12	329
	150	16×30	0.12	434
200	10	10×20	0.12	78
	22	10×25	0.12	126
	33	13×20	0.12	157
	47	13×25	0.12	204
	68	16×20	0.12	250
	100	16×25	0.12	329
250	10	10×20	0.12	78
	22	13×20	0.12	128
	33	13×25	0.12	171
	47	16×25	0.12	225
	68	16×30	0.12	292

Voltage (V)	Capacitance (μF)	Size ΦD×L (mm)	tanδ	IR (mArms, 125°C, 120Hz)
350	4.7	10×20	0.15	53
	10	10×25	0.15	85
	22	13×25	0.15	139
	33	16×25	0.15	189
	47	16×30	0.15	243
400	4.7	10×20	0.15	53
	10	10×25	0.15	86
	22	13×30	0.15	142
	33	16×25	0.15	189
	47	16×30	0.15	243
450	4.7	10×25	0.15	58
	10	13×20	0.15	86
	22	16×25	0.15	154
	33	16×30	0.15	203

◆ Ripple Current Multiplier

Frequency Coefficient

10V~100V:

Frequency (Hz)	50/60	100/120	1K	10K	100K
4.7μF~100μF	0.35	0.40	0.75	0.90	1.00
220μF~470μF	0.45	0.50	0.85	0.94	1.00
1000μF	0.50	0.60	0.87	0.95	1.00
2200μF~3300μF	0.55	0.75	0.90	0.95	1.00
4700μF	0.60	0.85	0.95	0.98	1.00

160V~450V:

Frequency (Hz)	50/60	100/120	1K	10K	100K
4.7μF~33μF	0.75	1.00	1.50	1.75	1.80
47μF~150μF	0.80	1.00	1.30	1.40	1.50