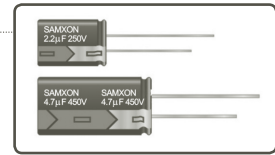


FEATURES

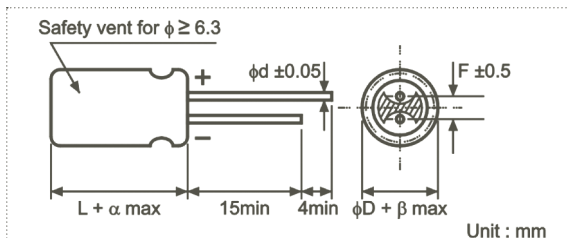
- High temperature, high ripple current at high frequency, load life of 1,000~2,000 hours at 130°C.
- Specially designed for electronic ballast and energy saving lamp.



SPECIFICATIONS

Item	Performance Characteristics						
Operating Temperature Range	-40 to +130°C			-25 to +130°C			
Rated Working Voltage Range	160 to 400V			450V			
Nominal Capacitance Range	1 to 220µF						
Capacitance Tolerance	±20% at 120Hz, +20°C						
Leakage Current	I ≤ 0.02CV + 25 (µA) after 2 minutes application of rated working voltage at +20°C						
tan δ (120Hz, +20°C)	Working Voltage (V)	160	200	250	350	400	450
	tan δ (max.)	0.15	0.15	0.15	0.20	0.20	0.20
Low Temperature Characteristics	Impedance ratio max. at 120Hz						
	Rated Voltage (V)	160	200	250	350	400	450
	Z-25°C / Z+20°C	3	3	3	5	5	6
High Temperature Loading	Test time	: 2,000 hours (Φ ≤ 6.3 : 1,000 hours)			Post test requirements at +20°C		
	Test temperature	: +130°C			Leakage current : ≤ Initial specified value		
Shelf Life	Test conditions	: Rated DC working voltage with rated ripple current			Cap. change : within ±30% of the initial measured value		
					tan δ : ≤ 300% of the initial specified value		
Industrial Standard	At +105°C no voltage applied after 1,000 hours and then being stabilized at +20°C the capacitors shall meet the following limits						
	Leakage current	: ≤ Initial specified value					
	Cap. change	: within ±30% of the initial measured value					
	tan δ	: ≤ 300% of the initial specified value					

CASE SIZE TABLE



φD	8 (L < 20)	8 (L ≥ 20)	10	12.5	16	18
F	3.5	3.5	5.0	5.0	7.5	7.5
φd	0.5	0.6	0.6	0.6	0.8	0.8
α		(L < 20) 1.5		(L ≥ 20) 2.0		
β		(D < 20) 0.5		(D ≥ 20) 1.0		

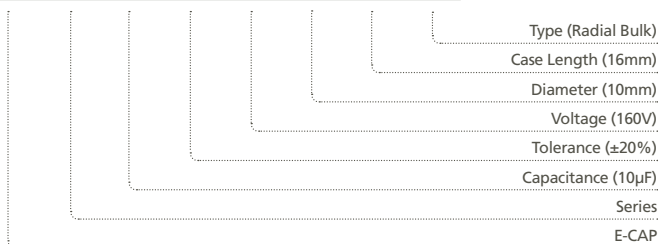
RIPPLE CURRENT MULTIPLIER

Frequency Coefficient

Coefficient	Freq. (Hz)	120	1k	10k	100k
Cap (µF)	1~5.6	0.20	0.40	0.80	1.00
	6.8~180	0.40	0.75	0.90	1.00
	≥220	0.50	0.85	0.94	1.00

PART NUMBER SYSTEM (EXAMPLE : 160V 10µF)

1	2 3	4 5 6	7	8 9	10	11 12	13 14
E	RA	106	M	2C	G	16	RR



STANDARD RATINGS

Voltage (Code)		160V (2C)		200V (2D)		250V (2E)		350V (2V)	
Cap. (µF)	Code	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current
1	105							8 x 12	51
1.5	155							10 x 12.5	56
1.8	185							10 x 16	62
2.2	225					8 x 12	64	10 x 16	70
2.8	285			8 x 12	64	10 x 12.5	72	10 x 16	76
3.3	335	8 x 12	70	8 x 12	73	10 x 12.5	80	10 x 16	84
4.7	475	10 x 12.5	76	10 x 12.5	80	10 x 16	88	10 x 20	105
5.6	565	8 x 16	81	8 x 16	86	10 x 16	88	12.5 x 20	121
6.8	685	8 x 16	88	8 x 16	94	10 x 16	96	12.5 x 20	176
8.2	825	10 x 16	96	10 x 16	100	10 x 16	104	12.5 x 20	192
10	106	10 x 16	200	10 x 16	200	10 x 16	224	12.5 x 20	224
15	156	10 x 16	336	10 x 20	336	12.5 x 20	360	12.5 x 25	240
22	226	10 x 20	400	12.5 x 20	400	12.5 x 20	480	16 x 25	252
33	336	12.5 x 20	400	12.5 x 20	480	12.5 x 25	480	16 x 30	360
47	476	12.5 x 25	528	12.5 x 25	528	16 x 25	518	16 x 35	475
68	686	16 x 25	547	16 x 25	547	16 x 30	662	18 x 35	612
100	107	16 x 25	806	16 x 35	806	18 x 30	864		
150	157	18 x 30	979	18 x 35	979				
220	227	18 x 35	1008						

Maximum Allowable Ripple Current (mArms) at 130°C 100kHz

Case Size ϕ D x L (mm)

Voltage (Code)		400V (2G)		450V (2W)	
Cap. (µF)	Code	Case Size	Ripple Current	Case Size	Ripple Current
1	105			8 x 16	64
1.5	155	10 x 12.5	67	10 x 16	70
1.8	185	10 x 16	72	10 x 16	74
2.2	225	10 x 16	74	10 x 16	77
2.8	285	10 x 16	80	10 x 16	80
3.3	335	10 x 16	88	10 x 16	88
4.7	475	10 x 20	104	10 x 20	104
5.6	565	12.5 x 20	112	12.5 x 20	112
6.8	685	12.5 x 20	176	12.5 x 20	120
8.2	825	12.5 x 20	208	12.5 x 20	224
10	106	12.5 x 20	224	12.5 x 20	256
15	156	12.5 x 25	256	12.5 x 25	336

Maximum Allowable Ripple Current (mArms) at 130°C 100kHz

Case Size ϕ D x L (mm)

Specifications are subject to change without notice. Should a safety or technical concern arise regarding the product, please be sure to contact our sales offices or agents immediately.