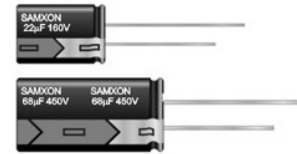


Long Life Assurance(長壽命), High Ripple Current(高紋波)

FEATURES

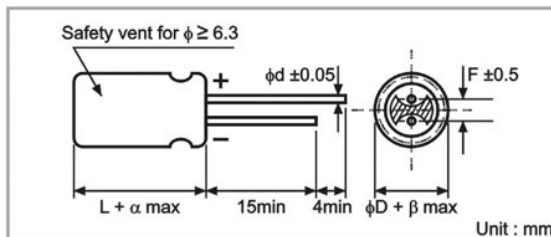
1. High ripple current at high frequency, load life of 8000~10000 hours at 105°C.
2. For electronic ballast, power supply input circuit.



SPECIFICATIONS

Item	Performance Characteristics								
Operating Temperature Range	-40 to +105℃					-25 to +105℃			
Rated Working Voltage Range	160 to 400V					450 to 500V			
Nominal Capacitance Range	1 to 330μF								
Capacitance Tolerance	±20% (120Hz, +20℃)								
Leakage Current	I≤0.02CV +25(μA) after 2 minutes application of rated working voltage at +20℃								
tan δ (120Hz, +20℃)	Working Voltage (V)	160	200	250	350	400	450	500	
	tan δ (Max.)	0.15	0.15	0.15	0.20	0.20	0.20	0.20	
Low Temperature Characteristics	Impedance ratio max. at 120Hz								
	Rated Voltage (V)	160	200	250	350	400	450	500	
	Z-25℃ / Z+20℃	3	3	3	5	5	6	12	
High Temperature Loading	Test conditions				Post test requirements at +20℃				
	Duration:	φD	10	12.5~18	Leakage current : ≤Initial specified value				
		Load life	8000h	10000h	Cap. change : within ±20% of initial measured value				
					tan δ : ≤200% of initial specified value				
	Ambient temp. : +105℃								
	Applied voltage : Rated DC working voltage with rated ripple current								
Shelf Life	Test conditions				Post test requirements at +20℃				
	Duration	: 1000 hours			Leakage current : ≤Initial specified value				
	Ambient temp.	: +105℃			Cap. change : within ±20% of initial measured value				
	Applied voltage	: (None)			tan δ : ≤200% of initial specified value				
Others	JIS C - 5101 (IEC 60384)								

CASE SIZE TABLE



φD	8	10	12.5	16	18
F	3.5	5.0	5.0	7.5	7.5
φd	0.5	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		

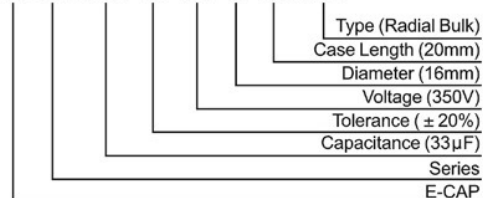
RIPPLE CURRENT MULTIPLIER

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

PART NUMBER SYSTEM (EXAMPLE:350V33 μF)

1 2 3 4 5 6 7 8 9 10 11 12 13 14

E RD 336 M 2V K 20 RR



Long Life Assurance(長壽命), High Ripple Current(高紋波)

STANDARD RATINGS

Voltage (Code)		160V (2C)		200V (2D)		250V (2E)		350V (2V)	
Cap.(μ F)	Code	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current
10	106							10 x 20	350
15	156								
22	226	10 x 20	500	10 x 20	600	10 x 20	560	12.5 x 20	480
33	336	10 x 20	580	10 x 20	650	12.5 x 20	710	16 x 20	640
47	476	10x 20	750	12.5 x 20	790	12.5 x 25	920	16 x 25	800
						16 x 20	990	18 x 20	800
68	686	12.5 x 20	950	12.5 x 25	950	16 x 20	1000	16 x 30	1100
				16 x 20	1000			18 x 25	1000
82	826	12.5 x 25	1060	16 x 20	1100	16 x 25	1200	18 x 25	1100
						18 x 20	1200		
100	107	12.5 x 25	1170	16 x 25	1300	16 x 30	1500	18 x 30	1200
		16 x 20	1280	18 x 20	1280	18 x 25	1500		
150	157	16 x 25	1400	16 x 25	1400	18 x 30	1800		
		18 x 20	1400						
220	227	16 x 30	1700	18 x 30	2000	18 x 40	2100		
		18 x 25	1500						
330	337	18 x 30	2000	18 x 40	2400				

Maximum Allowable Ripple Current (mA rms) at 105°C 100kHz

Case Size Φ DxL(mm)

Voltage (Code)		400V (2G)		450V (2W)		500V (2H)			
Cap.(μ F)	Code	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current		
1	105	8 x 12	41						
		10 x 12.5	60						
1.5	155	8 x 12	77						
		10 x 12.5	86						
1.8	185	8 x 12	81						
		10 x 12.5	103						
2.2	225	8 x 12	81						
		10 x 12.5	120						
3.3	335	10 x 12.5	128						
4.7	475	10 x 16	188	10 x 20	128				
5.6	565	10 x 16	214	10 x 20	144				
6.8	685	10 x 16	230	10 x 20	160				
10	106	10 x 20	300	12.5 x 20	350	12.5 x 20	280		
15	156	12.5 x 20	410	12.5 x 25	560	12.5 x 25	390		
						16 x 20	390		
22	226	12.5 x 25	500	16 x 20	680	16 x 25	500		
		16 x 20	600			18 x 20	500		
33	336	16 x 20	730	16 x 30	850	16 x 30	630		
				18 x 25	850	18 x 25	630		
47	476	16 x 25	840	18 x 30	1000	18 x 30	750		
		18 x 20	840						
68	686	18 x 30	1200	18 x 30	1140	18 x 35	890		
82	826	18 x 40	1500			18 x 45	980		

Maximum Allowable Ripple Current (mA rms) at 105°C 100kHz

Case Size Φ DxL(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.