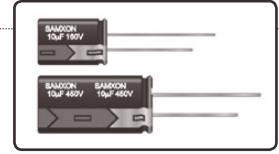


## FEATURES

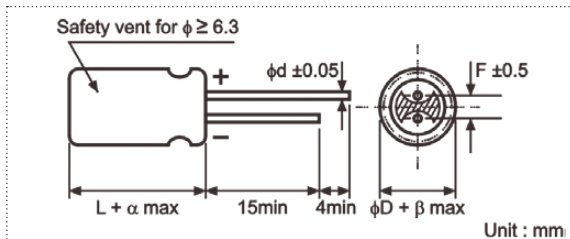
- Load life of 8,000~10,000 hours at 105°C.
- For electronic ballast.



## SPECIFICATIONS

Item	Performance Characteristics						
Operating Temperature Range	-25 to +105°C						
Rated Working Voltage Range	160 to 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	6	6	6
High Temperature Loading	Test time	ΦD	8~10	12.5~18	Post test requirements at +20°C		
	Load life		8,000h	10,000h	Leakage current : ≤ Initial specified value		
	Test temperature	: +105°C			Cap. change : within ±20% of the initial measured value		
Shelf Life	Test conditions	: Rated DC working voltage with rated ripple current			tan δ : ≤ 200% of the initial specified value		
	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					
Industrial Standard	Cap. change	: within ±20% of the initial measured value					
	tan δ	: ≤ 200% of the initial specified value					
	JIS C - 5101-4 (IEC 60384-4)						

## CASE SIZE TABLE



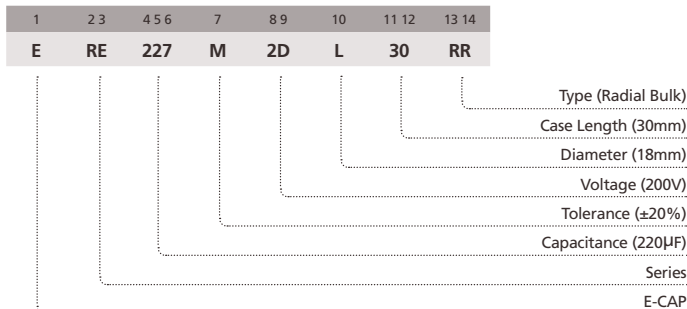
ΦD	8 (L < 20)	8 (L ≥ 20)	10	12.5	16	18
F	3.5	3.5	5.0	5.0	7.5	7.5
Φd	0.5	0.6	0.6	0.6	0.8	0.8
α	(L < 20) 1.5			(L ≥ 20) 2.0		
β	(D < 20) 0.5			(D ≥ 20) 1.0		

## 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 : 200V 220µF)



## 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
6.8	685	8 x 12	160	8 x 12	160	8 x 12	150	10 x 16	220
10	106	10 x 16	250	10 x 16	250	10 x 12.5	228	10 x 16	254
						10 x 20	280	10 x 20	280
22	226	10 x 20	500	10 x 20	500	12.5 x 20	600	12.5 x 20	350
33	336	10 x 20	500	12.5 x 20	600	12.5 x 20	600	16 x 20	500
47	476	12.5 x 20	660	12.5 x 20	660	12.5 x 25	720	16 x 25	660
						16 x 20		18 x 20	
68	686	12.5 x 25	760	12.5 x 25	760	16 x 25	920	16 x 30	850
		16 x 20		16 x 20		18 x 20		18 x 25	
100	107	16 x 25	1120	16 x 25	1120	16 x 30	1200		
		18 x 20		18 x 20		18 x 25			
150	157	16 x 30	1360	16 x 30	1360	18 x 30	1500		
		18 x 25		18 x 25					
220	227	16 x 30	1400	18 x 30	1700				
		18 x 25							

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

Case Size  $\Phi$ 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 12	38		
1.5	155	8 x 12	72		
		10 x 12.5	80		
1.8	185	8 x 12	76		
		10 x 12.5	96		
2.2	225	8 x 12	76		
		10 x 12.5	112		
3.3	335	10 x 12.5	120		
4.7	475	10 x 16	176	10 x 20	120
5.6	565	10 x 16	200	10 x 20	135
6.8	685	10 x 16	220	10 x 20	150
10	106	10 x 20	280	12.5 x 20	320
22	226	12.5 x 25	430	16 x 25	560
		16 x 20		18 x 20	
33	336	16 x 25	640	16 x 30	700
		18 x 20		18 x 25	
47	476	16 x 30	840	18 x 30	880
		18 x 25			
68	686	18 x 30	1000		

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

Case Size  $\Phi$ 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.