

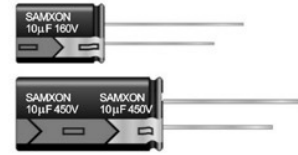
# RC Series

**SAMXON®**

**+130°C, High Temperature(高温度), High Ripple Current(高紋波), Long Life Assurance(長壽命)**

## FEATURES

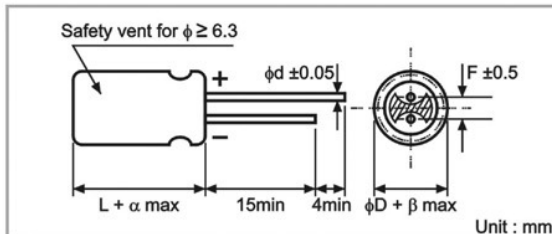
1. High temperature, high ripple current at high frequency, load life of 5000~6000 hours at 130°C.
2. Specially designed for electronic ballast and energy saving lamp.



## SPECIFICATIONS

Item	Performance Characteristics						
Operating Temperature Range	-25 to +130°C						
Rated Working Voltage Range	160 to 450V						
Nominal Capacitance Range	1.5 to 100µF						
Capacitance Tolerance	±20% (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
High Temperature Loading	Z-25°C / Z+20°C			3	3	3	5
				5	5	6	
Shelf Life	Test conditions			Post test requirements at +20°C			
	Duration : (Φ ≤ 12.5:5000 hours) (Φ > 12.5:6000 hours)			Leakage current : ≤ Initial specified value Cap. change : within ±30% of initial measured value tan δ : ≤ 200% of initial specified value			
Others	Ambient temp. : +130°C			Applied voltage : Rated DC working voltage with rated ripple current			
	Applied voltage : (None)			tan δ : ≤ 200% of initial specified value			
JIS C - 5101 (IEC 60384)							

## CASE SIZE TABLE

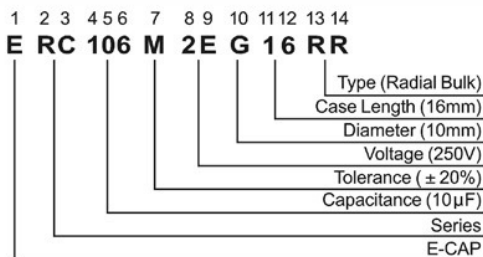


φD	10	12.5	16
F	5.0	5.0	7.5
φd	0.6	0.6	0.8
α	(L < 20) 1.5	(L ≥ 20) 2.0	
β	(D < 20) 0.5	(D ≥ 20) 1.0	

## RIPPLE CURRENT MULTIPLIER

Frequency Coefficient						
Cap(µF)	Coefficient	Freq.(Hz)	120	1k	10k	100k
1.5~5.6			0.20	0.40	0.80	1.00
6.8~100			0.40	0.75	0.90	1.00

## PART NUMBER SYSTEM (EXAMPLE:250V10 µF)



RC

Miniature Aluminum Electrolytic Capacitors

**+130°C, High Temperature(高温度), High Ripple Current(高纹波), Long Life Assurance(长寿命)**

**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
2.2	225							10 x 16	50
3.3	335							10 x 16	58
4.7	475					10 x 16	56	10 x 20	70
5.6	565					10 x 16	60	12.5 x 20	85
6.8	685					10 x 16	65	12.5 x 20	120
8.2	825	10 x 16	65	10 x 16	70	10 x 16	70	12.5 x 20	135
10	106	10 x 16	140	10 x 16	140	10 x 16	155	12.5 x 20	155
15	156	10 x 16	235	10 x 20	235	12.5 x 20	250	12.5 x 25	168
22	226	10 x 20	280	12.5 x 20	280	12.5 x 20	335	16 x 25	175
33	336	12.5 x 20	290	12.5 x 20	335	12.5 x 25	335		
47	476	12.5 x 25	365	12.5 x 25	365	16 x 25	360		
68	686	16 x 25	380	16 x 25	380				
100	107	16 x 25	565						

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

Case Size φD x L(mm)

Voltage (Code)		400V (2G)		450V (2W)					
Cap.(μF)	Code	Case Size	Ripple Current	Case Size	Ripple Current				
1.5	155			10 x 16	50				
1.8	185	10 x 16	50	10 x 16	52				
2.2	225	10 x 16	52	10 x 16	54				
2.8	285	10 x 16	56	10 x 16	56				
3.3	335	10 x 16	62	10 x 16	62				
4.7	475	10 x 20	72	10 x 20	72				
5.6	565	12.5 x 20	78	12.5 x 20	78				
6.8	685	12.5 x 20	120	12.5 x 20	84				
8.2	825	12.5 x 20	145	12.5 x 20	156				
10	106	12.5 x 20	155	12.5 x 20	179				
15	156	12.5 x 25	180	12.5 x 25	235				

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

Case Size φD 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.