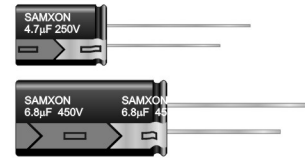


RB Series

+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 3000~4000 hours at 130°C.
2. Specially designed for electronic ballast and energy-save lamp.



SPECIFICATIONS

Item	Performance Characteristics								
Operating Temperature Range	-25 to +130°C								
Rated Working Voltage Range	160 to 450V								
Nominal Capacitance Range	1 to 220 µF								
Capacitance Tolerance	±20% (120Hz, +20°C)								
Leakage Current	I ≤ 0.02CV+25(µA) after 5 minutes application of rated working voltage								
Dissipation Factor 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								
	Working Voltage (V)	160	200	250	350	400	450		
	Z-25°C / Z+20°C	3	3	3	6	6	6		
High Temperature Loading	Test conditions				Post test requirements at +20°C				
	Duration	: 4000 hours (ϕ ≤ 12.5:3000 hours)			Leakage current : ≤ Initial specified value				
	Ambient temp.	: +130°C			Cap. change : within ±30% of initial measured value				
	Applied voltage	: Rated DC working voltage with rated ripple current			tan δ : ≤ 300% of initial specified value				
Shelf Life	After leaving capacitors under no load at 105°C for 1000hours, capacitors shall meet specified value for load life characteristics listed above.								
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		120	1K	10K	100K
Cap(µF)	Freq.(Hz)				
~ 180		0.40	0.75	0.90	1.00
220 ~ 560		0.50	0.85	0.94	1.00

RB Series

SAMXON®

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

DIMENSIONS

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							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 (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	105	10 x 12.5	58	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				
22	226	16 x 25	309	16 x 30	403				
33	336	16 x 30	460	16 x 35	504				
47	476	18 x 35	604	18 x 35	633				
68	686	18 x 40	720						

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

Case Size φD x L(mm)

RB

Miniature Aluminum Electrolytic Capacitors