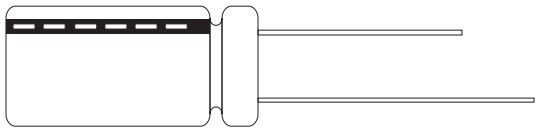
ALUMINUM ELECTROLYTIC CAPACITORS
RXC Series: Low Impedance, High Temperature

FEATURES

105°C, 2000 ~ 3000 hours assured
Low ESR, suitable for switching power supplies, UPS
For ballast use, 3000 ~ 5000 hours assured
Smaller size with large permissible ripple current



SPECIFICATIONS

Items	Performance
Operating Temperature Range	-40°C ~ +105°C
Rated Voltage Range	160 ~ 450V
Capacitance Tolerance	±20% (at 120Hz, 20°C)
Leakage Current (at 20°C)	Time: After 5 minutes Leakage Current: CV≤1000 I=0.03CV(A); CV>1000 I=0.02CV(A) Where, C= rated capacitance in F. V = rated DC working voltage
Dissipation Factor (Tan at 120Hz, 20°C)	Rated Voltage: 160 / 200 / 250 / 350 / 400 / 450 Tan (max): 0.20 / 0.20 / 0.20 / 0.24 / 0.24 / 0.24 When the capacitance exceeds 1000 F, 0.02 shall be added every 1000 F increase.
Low Temperature Characteristics (at 120Hz)	Impedance ratio shall not exceed the values given in the table below. Rated Voltage: 160 / 200 / 250 / 350 / 400 / 450 Impedance Ratio Z(-25°C)/Z(+20°C): 3 / 3 / 3 / 3 / 5 / 6 Impedance Ratio Z(-40°C)/Z(+20°C): 4 / 4 / 4 / 4 / 6 /
Load Life Test	Test Time: 2000 hrs for D ≤10 mm; 3000 hrs for D ≥ 13 mm Capacitance Change: Within ±20% of initial value Dissipation Factor: Less than 200% of specified value Leakage Current: Within specified value *The above specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage applied for 2000/3000 hrs at 105°C
Shelf Life Test	Test Time: 1000 Hrs Capacitance Change: Within ±20% of initial value Dissipation Factor: Less than 200% of specified value Leakage Current: Less than 500% of specified value *The above specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1000 hrs at 105°C without voltage applied.
Ripple Current & Frequency Multipliers	Freq.(Hz) / Cap(F): 60 (50) / 120 / 500 / 1K / 10K / 100K Under33: 0.40 / 0.55 / 0.65 / 0.80 / 0.90 / 1.00 33 to 330: 0.60 / 0.70 / 0.80 / 0.90 / 0.95 / 1.00 390 to 1000: 0.65 / 0.80 / 0.85 / 0.98 / 1.00 / 1.00 1200 up above: 0.80 / 0.90 / 0.95 / 0.98 / 1.00 / 1.00
Ripple Current & Temperature Multipliers	Temperature(°C): 65 / 70 / 85 / 95 / 105 Multiplier: 1.8 / 1.65 / 1.5 / 1.25 / 1.00
Standards	Satisfies Characteristic W of JIS C 5141

PART NUMBER EXAMPLE RXC 100 M 2G BK 100 200

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DIMENSIONS AND PERMISSABLE RIPPLE CURRENT

Dimension: ϕD×L(mm) Ripple Current: mA/rms at 100K Hz 105°C

VDC		160V (2C)				200V (2D)				250V (2E)			
F	Code	D x L	Impedance 20°C	Ripple Current 120Hz	Ripple Current 100KHz	D x L	Impedance 20°C	Ripple Current 120Hz	Ripple Current 100KHz	D x L	Impedance 20°C	Ripple Current 120Hz	Ripple Current 100KHz
0.47	R47	6.3 x 11	14.5	9	35	6.3 x 11	14.50	9	35	6.3 x 11	14.50	8	30
1.0	010	6.3 x 11	8.5	13	50	6.3 x 11	8.50	13	50	6.3 x 11	8.50	13	50
2.2	2R2	6.3 x 11	5.5	23	90	6.3 x 11	5.50	19	75	8 x 11.5	5.00	21	85
3.3	3R3	8 x 11.5	4.3	28	110	8 x 11.5	4.30	33	130	10 x 12.5	4.20	30	120
4.7	4R7	8 x 11.5	3.1	33	130	10 x 12.5	3.10	39	155	10 x 16	3.50	41	165
10	100	10 x 16	1.55	63	250	10 x 16	1.55	63	250	10 x 20	3.18	50	200
22	220	10 x 16	1.47	75	300	10 x 20	1.47	75	300	13 x 20	1.74	85	340
33	330	10 x 20	1.15	90	360	13 x 20	1.15	90	360	13 x 25	1.35	115	460
47	470	13 x 25	0.92	125	500	13 x 20	0.92	125	500	13 x 25	1.08	138	550
68	680	13 x 25	0.71	165	660	13 x 25	0.71	165	660	16 x 25	0.84	183	730
100	101	13 x 25	0.59	213	850	16 x 25	0.59	213	850	16 x 31.5	0.70	248	990
150	151	16 x 25	0.41	303	1,200	16 x 31.5	0.41	303	1,210	18 x 31.5	0.49	325	1,300
220	221	16 x 31.5	0.31	368	1,470	18 x 35.5	0.31	408	1,630	18 x 40	0.36	433	1,730
330	331	18 x 35.5	0.25	500	2,000								

VDC		350V (2V)				400V (2G)				450V (2W)			
F	Code	D x L	Impedance 20°C	Ripple Current 120Hz	Ripple Current 100KHz	D x L	Impedance 20°C	Ripple Current 120Hz	Ripple Current 100KHz	D x L	Impedance 20°C	Ripple Current 120Hz	Ripple Current 100KHz
0.47	R47	8 x 11.5	3.50	18	70								
1.0	010	10 x 12.5	4.20	30	85	10 x 12.5	4.20	21	85	10 x 12.5	8.80	18	70
2.2	2R2	10 x 16	3.50	49	140	10 x 16	3.50	35	140	10 x 16	6.90	25	100
3.3	3R3	10 x 16	3.50	49	140	10 x 20	2.94	46	183	10 x 20	4.47	31	125
4.7	4R7	10 x 20	2.94	63	180	10 x 20	2.94	46	183	13 x 20	3.77	43	173
10	100	10 x 20	2.94	45	180	10 x 20	2.94	46	183	13 x 25	2.95	69	277
22	220	12.5 x 20	1.60	78	310	13 x 25	1.60	79	314	16 x 25	1.61	128	510
33	330	13 x 25	1.25	105	420	13 x 25	1.25	106	422	16 x 31.5	1.25	155	620
47	470	16 x 25	1.00	140	560	16 x 31.5	1.00	140	560	18 x 31.5	1.01	198	790
68	680	16 x 31.5	0.78	188	750	16 x 31.5	0.75	188	750	18 x 35.5	0.78	248	990
100	101	16 x 31.5	0.65	253	1,010	18 x 31.5	0.65	253	1,010				

LEAD SPACING AND DIAMETER

D	5	6.3	8	10	12	16	18
P	2.0	2.5	3.5	5.0	5.0	7.5	7.5
d	0.5		0.6			0.8	
	1.0		1.5				
	0.5