



# Aluminum Electrolytic Capacitors

RXC

## Features

- 105°C, 2,000 ~ 3,000 hours assured
- Low ESR, suitable for switching power supplies, UPS
- Smaller size with large permissible ripple current
- RoHS Compliance



Sleeve & Marking Color: Brown & White

## SPECIFICATIONS

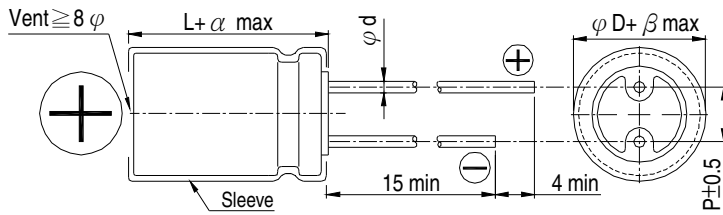
Items	Performance							
Category Temperature Range	160 ~ 400V				450V			
	-40°C ~ +105°C				-25°C ~ +105°C			
Capacitance Tolerance	±20% (at 120Hz, 20°C)							
Leakage Current (at 20°C)	Time		After 5 minutes					
	Leakage Current		CV ≤ 1,000 I = 0.03CV(μA)		CV > 1,000 I = 0.02CV(μA)			
Dissipation Factor (Tan δ at 120Hz, 20°C)	Rated Voltage	160	200	250	350	400	450	
	Tan δ (max)	0.20	0.20	0.20	0.24	0.24	0.24	
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
Z(-40°C)/Z(+20°C)		4	4	4	4	6	-	
Endurance	Test Time		2,000 Hrs for φD ≤ 10 mm; 3,000 Hrs for φD ≥ 12.5 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 with rated ripple current for 2,000/3,000 hours at 105°C.								
Shelf Life Test	Test Time		1,000 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 1,000 hours at 105°C without voltage applied. The rated voltage shall be applied to the capacitors before the measurements (Refer to JIS C 5101-4 4.1).								
Ripple Current & Frequency Multipliers	Freq.(Hz)		120	1k	10k	100k		
	Cap. (μF)		1 to 82	1.00	1.20	1.40	1.50	
	100 up		1.00	1.18	1.35	1.45		



# Aluminum Electrolytic Capacitors

RXC

## DIAGRAM OF DIMENSIONS



Unit: mm

### LEAD SPACING AND DIAMETER

$\phi D$	8	10	12.5	16	18
P	3.5	5.0		7.5	
$\phi d$	0.6			0.8	
$\alpha$	1.0	1.5			
$\beta$	0.5				

Dimension:  $\phi D \times L$ (mm)

Ripple Current: mA/rms, 105°C

## DIMENSION & PERMISSIBLE RIPPLE CURRENT

$\mu F$	V.DC Contents	160V (2C)				200V (2D)				250V (2E)				350V (2V)				400V (2G)			
		$\phi D \times L$		Ripple Current		$\phi D \times L$		Ripple Current		$\phi D \times L$		Ripple Current		$\phi D \times L$		Ripple Current		$\phi D \times L$		Ripple Current	
				120 Hz	100k Hz			120 Hz	100k Hz			120 Hz	100k Hz			120 Hz	100k Hz			120 Hz	100k Hz
1.5																			10x12.5	48	72
2.2								8x11.5	47	71	10x12.5	55	83	10x16	66	99					
3.3		8x11.5	48	72	8x11.5	52	78	10x12.5	80	120	10x16	75	113	10x20	85	128					
4.7		8x11.5	58	87	10x12.5	88	132	10x16	105	158	10x20	120	180	10x20	100	150					
10		10x16	100	150	10x16	125	188	10x20	165	248	10x20	150	225	10x20	145	218					
22		10x16	155	233	10x20	170	255	12.5x20	240	360	12.5x20	240	360	12.5x25	260	390					
33		10x20	220	330	12.5x20	275	415	12.5x25	365	550	12.5x25	300	450	12.5x25	285	430					
47		12.5x25	340	510	12.5x20	295	445	12.5x25	390	585	16x25	410	615	16x31.5	445	665					
68		12.5x25	385	580	12.5x25	395	595	16x25	485	730	16x31.5	485	730	16x31.5	490	735					
100		12.5x25	450	655	16x25	550	800	16x31.5	630	915	16x31.5	520	755	18x31.5	610	885					
150		16x25	610	885	16x31.5	720	1,045	18x31.5	780	1,130											
220		16x31.5	755	1,095	18x35.5	900	1,305	18x40	970	1,405											
330		18x35.5	940	1,360																	

$\mu F$	V.DC Contents	450V (2W)			
		$\phi D \times L$		Ripple Current	
				120 Hz	100k Hz
1.5		10x12.5	50	75	
2.2		10x16	68	102	
3.3		10x20	88	132	
4.7		12.5x20	140	210	
10		12.5x25	200	300	
22		16x25	305	460	
33		16x31.5	410	615	
47		18x31.5	495	745	
68		18x35.5	540	810	