



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

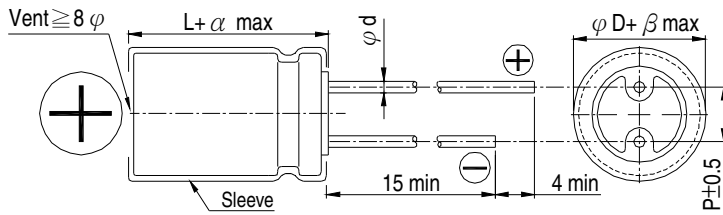
Items	Performance							
Category Temperature Range	160 ~ 400V				450V			
	-40°C ~ +105°C				-25°C ~ +105°C			
Capacitance Tolerance	±20% (at 120Hz, 20°C)							
Leakage Current (at 20°C)	Time		After 5 minutes					
	Leakage Current		CV ≤ 1,000 I = 0.03CV(μA)		CV > 1,000 I = 0.02CV(μA)			
Dissipation 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		



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DIAGRAM OF DIMENSIONS



Unit: mm

LEAD SPACING AND DIAMETER

ϕD	8	10	12.5	16	18
P	3.5	5.0		7.5	
ϕd	0.6			0.8	
α	1.0	1.5			
β	0.5				

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

Ripple Current: mA/rms, 105°C

DIMENSION & PERMISSIBLE RIPPLE CURRENT

μF	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																			10×12.5	48	72
2.2								8×11.5	47	71	10×12.5	55	83	10×16	66	99					
3.3		8×11.5	48	72	8×11.5	52	78	10×12.5	80	120	10×16	75	113	10×20	85	128					
4.7		8×11.5	58	87	10×12.5	88	132	10×16	105	158	10×20	120	180	10×20	100	150					
10		10×16	100	150	10×16	125	188	10×20	165	248	10×20	150	225	10×20	145	218					
22		10×16	155	233	10×20	170	255	12.5×20	240	360	12.5×20	240	360	12.5×25	260	390					
33		10×20	220	330	12.5×20	275	415	12.5×25	365	550	12.5×25	300	450	12.5×25	285	430					
47		12.5×25	340	510	12.5×20	295	445	12.5×25	390	585	16×25	410	615	16×31.5	445	665					
68		12.5×25	385	580	12.5×25	395	595	16×25	485	730	16×31.5	485	730	16×31.5	490	735					
100		12.5×25	450	655	16×25	550	800	16×31.5	630	915	16×31.5	520	755	18×31.5	610	885					
150		16×25	610	885	16×31.5	720	1,045	18×31.5	780	1,130											
220		16×31.5	755	1,095	18×35.5	900	1,305	18×40	970	1,405											
330		18×35.5	940	1,360																	

μF	V.DC Contents	450V (2W)			
		$\phi D \times L$		Ripple Current	
				120 Hz	100k Hz
1.5		10×12.5	50	75	
2.2		10×16	68	102	
3.3		10×20	88	132	
4.7		12.5×20	140	210	
10		12.5×25	200	300	
22		16×25	305	460	
33		16×31.5	410	615	
47		18×31.5	495	745	
68		18×35.5	540	810	

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