



RXC Series

Features

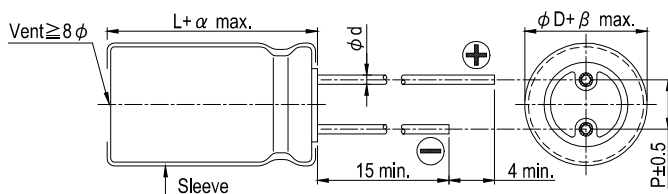
- 105°C, 2,000 ~ 3,000 hours assured
- Suitable for switching power supplies, UPS
- Smaller size with large permissible ripple current
- RoHS compliace



Specifications

Items	Performance																								
	Category Temperature Range	160 ~ 400V -40°C ~ +105°C	450V -25°C ~ +105°C																						
Capacitance Tolerance	±20% (at 120 Hz, 20°C)																								
Leakage Current (at 20°C)	<table border="1"> <thead> <tr> <th>Time</th> <th colspan="2">After 5 minutes</th> </tr> </thead> <tbody> <tr> <td>Leakage Current</td> <td>CV ≤ 1,000 I = 0.03CV(μA)</td> <td>CV > 1,000 I = 0.02CV(μA)</td> </tr> </tbody> </table> <p>Where, C = rated capacitance in μF, V = rated DC working voltage in V</p>		Time	After 5 minutes		Leakage Current	CV ≤ 1,000 I = 0.03CV(μA)	CV > 1,000 I = 0.02CV(μA)																	
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Low Temperature Characteristics (at 120 Hz)	<p>Impedance ratio shall not exceed the values given in the table below.</p> <table border="1"> <thead> <tr> <th colspan="2">Rated Voltage</th> <th>160</th> <th>200</th> <th>250</th> <th>350</th> <th>400</th> <th>450</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Impedance Ratio</td> <td>Z(-25°C) / Z(+20°C)</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> <td>5</td> <td>6</td> </tr> <tr> <td>Z(-40°C) / Z(+20°C)</td> <td>4</td> <td>4</td> <td>4</td> <td>4</td> <td>6</td> <td>-</td> </tr> </tbody> </table>		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	-
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Diagram of Dimensions



Lead Spacing and Diameter

Unit: mm

φD	8	10	12.5	16	18
P	3.5	5.0	5.0	7.5	7.5
φd	0.6			0.8	
α	L < 20: 1.5, L ≥ 20: 2.0				
β	0.5				



Dimension: $\phi D \times L$ (mm)
Ripple Current: mA/rms, 105°C

Dimension and Permissible Ripple Current

Rated Volt. (V _{DC}) Contents Cap.(μ F)	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	120 Hz
2.2										10×12.5	55	83	10×12.5	55	83	
3.3	8×11.5	48	72	8×11.5	52	78	8×11.5	65	98	10×16	75	113	10×16	75	113	
4.7	8×11.5	58	87	10×12.5	88	132	10×12.5	90	135	10×20	120	180	10×20	100	150	
10	10×12.5 10×16	88 100	132 150	10×16	125	188	10×16	150	225	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	16×25	400	600	
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													

Rated Volt. (V _{DC}) Contents Cap.(μ F)	450V (2W)		
	$\phi D \times L$	Ripple Current	
		120 Hz	100k Hz
1.5	10×12.5	50	75
2.2	10×12.5	60	90
3.3	10×16	80	120
4.7	10×20	105	158
10	12.5×16	165	248
22	12.5×25	270	405
33	16×31.5	410	615
47	18×31.5	495	745
68	18×35.5	540	810

Part Numbering System

RXC Series 22 μ F \pm 20% 450V Bulk Package Gas Type 12.5 ϕ × 25L General Purpose

RXC **220** **M** **2W** **BK** - **1325**

Series Name Capacitance Capacitance Tolerance Rated Voltage Lead Configuration and Package Rubber Type Case Size Application

Note: For more details, please refer to "Part Numbering System - Radial Type" on page 139.