



RXC Series

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

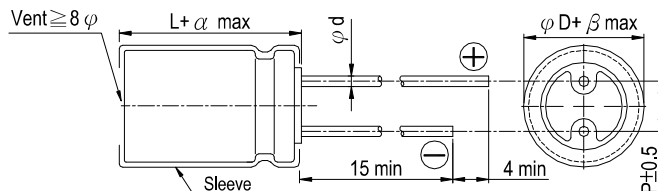


Sleeve & Marking Color: Brown & White

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)	<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>		Time	After 5 minutes		Leakage Current	CV ≤ 1,000 I = 0.03CV(μA)	CV > 1,000 I = 0.02CV(μA)																					
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Ripple Current & Frequency Multipliers	<table border="1"> <thead> <tr> <th>Cap. (μF)</th> <th colspan="4">Freq.(Hz)</th> </tr> </thead> <tbody> <tr> <td>1 to 82</td> <td>120</td> <td>1k</td> <td>10k</td> <td>100k</td> </tr> <tr> <td>100 up</td> <td>1.00</td> <td>1.20</td> <td>1.40</td> <td>1.50</td> </tr> <tr> <td></td> <td>1.00</td> <td>1.18</td> <td>1.35</td> <td>1.45</td> </tr> </tbody> </table>				Cap. (μF)	Freq.(Hz)				1 to 82	120	1k	10k	100k	100 up	1.00	1.20	1.40	1.50		1.00	1.18	1.35	1.45					
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Diagram of Dimensions



Lead Spacing and Diameter

Unit: mm

φ D	8	10	12.5	16	18
P	3.5	5.0	5.0	7.5	7.5
φ d	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 & Permissible Ripple Current

V.DC Contents μF	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			
2.2													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															

V. DC Contents μF	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	

Part Numbering System

RXC series	22 μF	$\pm 20\%$	450V	Bulk Package	Gas Type	16 ϕ ×25L	Pb-free and PET coating case
RXC	220	M	2W	BK	-	1625	
Series	Capacitance	Capacitance Tolerance	Rated Voltage	Lead Configuration & Package	Rubber Type	Case Size	Lead Wire and Coating Type

Note: For more details, please refer to "Part Numbering System (Radial Type)" on page 10.