



RXB Series

Features

- 105°C, 5,000 hours assured
- Suitable for switching power supplies, UPS, Ballast
- Smaller size with large permissible ripple current
- RoHS Compliance

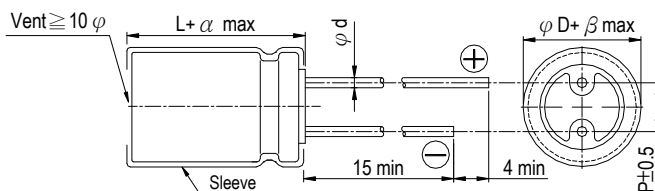


Sleeve & Marking Color: Brown & White

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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Where, C = rated capacitance in μF V = rated DC working voltage in V																									
Tanδ (at 120Hz, 20°C)	<table border="1"> <thead> <tr> <th>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>Tanδ (max)</td> <td>0.20</td> <td>0.20</td> <td>0.20</td> <td>0.24</td> <td>0.24</td> <td>0.24</td> </tr> </tbody> </table>							Rated Voltage	160	200	250	350	400	450	Tanδ (max)	0.20	0.20	0.20	0.24	0.24	0.24				
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Low Temperature Characteristics (at 120Hz)	Impedance ratio shall not exceed the values given in the table below.																								
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Ripple Current & Frequency Multipliers	<table border="1"> <thead> <tr> <th rowspan="2">Cap. (μF)</th> <th colspan="4">Freq.(Hz)</th> </tr> <tr> <th>120</th> <th>1k</th> <th>10k</th> <th>100k up</th> </tr> </thead> <tbody> <tr> <td>2.2 to 82</td> <td>1.00</td> <td>1.20</td> <td>1.40</td> <td>1.50</td> </tr> <tr> <td>100 up</td> <td>1.00</td> <td>1.18</td> <td>1.35</td> <td>1.45</td> </tr> </tbody> </table>					Cap. (μF)	Freq.(Hz)				120	1k	10k	100k up	2.2 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



Lead Spacing and Diameter

Unit: mm

φ D	10	12.5	16	18
P	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 at 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		$\phi D \times L$	Ripple Current			
		120 Hz	100k Hz		120 Hz	100k Hz		120 Hz	100k Hz		120 Hz	100k Hz		120 Hz	100k Hz		120 Hz	100k Hz		
4.7																10×16	98	147		
6.8													10×16	100	150	10×16	120	180		
10							10×16	155	233	10×20	160	240	10×20	170	255					
22	10×20	210	315	10×20	230	345	12.5×20	210	315	12.5×25	305	460	12.5×25	320	480					
33	12.5×20	300	450	12.5×20	320	480	12.5×20	335	505	16×25	410	615	16×25	425	635					
47	12.5×25	340	510	12.5×25	365	548	16×25	560	840	16×31.5	510	765	16×31.5	530	795					
68	16×25	535	800	16×25	560	840	16×25	600	900	18×31.5	580	870	18×31.5	600	900					
100	16×25	610	885	16×25	645	935	16×31.5	700	1,015	18×35.5	665	965	18×40	700	1,015					
120	16×31.5	685	990	16×31.5	710	1,030	18×31.5	790	1,145	18×40	715	1,035	18×45	780	1,130					
150	16×31.5	720	1,045	16×31.5	750	1,090	18×35.5	875	1,270											
180	18×31.5	800	1,160	18×31.5	830	1,205	18×40	980	1,420											
220	18×35.5	870	1,260	18×35.5	900	1,305	18×45	1,100	1,595											
270	18×40	980	1,420	18×40	1,100	1,595														
330	18×45	1,050	1,520	18×45	1,250	1,815														

V. DC Contents μF	450V (2W)			
	$\phi D \times L$	Ripple Current		
		120 Hz	100k Hz	
4.7	10×16	105	158	
6.8	10×20	170	255	
10	12.5×20	280	420	
22	16×25	405	610	
33	16×31.5	490	735	
47	18×31.5	575	865	
68	18×40	665	1,000	

Part Numbering System

RXB series	22 μF	$\pm 20\%$	450V	Bulk Package	Gas Type	16 $\phi \times 25L$	Pb-free and PET coating case
RXB	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.

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[RXB330M2CBK-1020](#) [RXB330M2EBK-1020](#) [RXB330M2GBK-1625](#) [RXB470M2CBK-1320](#) [RXB470M2DBK-1025](#)
[RXB470M2EBK-1320](#) [RXB4R7M2WBK-1016](#) [RXB680M2GBKF1825](#) [RXB6R8M2GBKF0816](#)