RXB Series

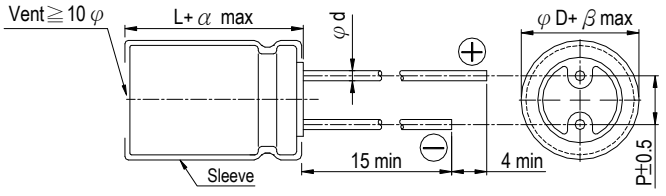
Features
- 105℃, 5,000 hours assured
- Suitable for switching power supplies, UPS, Ballast
- Smaller size with large permissible ripple current
- RoHS Compliance

Sleeve & Marking Color: Brown & White

Specifications

Items	Performance		
Category Temperature Range	160 ~ 400V	450V	
	-40℃ ~ +105℃	-25℃ ~ +105℃	
Capacitance Tolerance	±20%		(at 120Hz, 20℃)
Leakage Current (at 20℃)	Time: after 5 minutes Leakage Current: CV ≦ 1,000 I = 0.03CV(μA); CV > 1,000 I = 0.02CV(μA) Where, C = rated capacitance in μF V = rated DC working voltage in V		
Tanδ (at 120Hz, 20℃)	Rated Voltage: 160 / 200 / 250 / 350 / 400 / 450 Tanδ (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℃) /Z(+20℃): 3 / 3 / 3 / 3 / 5 / 6 Impedance Ratio Z(-40℃) /Z(+20℃): 4 / 4 / 4 / 4 / 6 / -		
Endurance	Test Time: 5,000 Hrs Capacitance Change: Within ±20% of initial value Tanδ: Less than 200% of specified value Leakage Current: Within specified value * The above Specifications shall be satisfied when the capacitors are restored to 20℃ after the rated voltage applied with rated ripple current for 5,000 hours at 105℃.		
Shelf Life Test	Test Time: 1,000 Hrs Capacitance Change: Within ±20% of initial value Tanδ: Less than 200% of specified value Leakage Current: Within specified value * The above Specifications shall be satisfied when the capacitors are restored to 20℃ after exposing them for 1,000 hours at 105℃ 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) / Cap. (μF): 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		

Diagram of Dimensions



Lead Spacing and Diameter

Unit: mm

φD	10	12.5	16	18
P	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: ϕD × 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)		
	ϕD×L	Ripple Current		ϕD×L	Ripple Current		ϕD×L	Ripple Current		ϕD×L	Ripple Current		ϕD×L	Ripple Current	
		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)		
	ϕD×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	22μF	±20%	450V	Bulk Package	Gas Type	16ϕ×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.