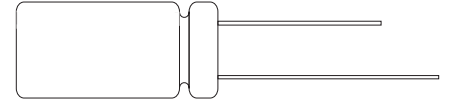


FEATURES

- 85°C (RB Series) and 105°C (RBG Series) 2000 hours assured
- Designed specifically for crossover network in Hi-Fi systems.
- Suitable for improving audio tone and speaker networks.



SPECIFICATIONS

Item	Performance				
	RB	RBG			
Operating Temperature Range	40° ~ + 85°C	-40° ~ + 105°C			
Rated Voltage	50V and 100VDC				
Capacitance Tolerance	± 20% (120Hz, 20°C)				
Leakage Current (at 20 °C)	I = 0.03CV or 3 (µA) whichever is greater (after 2 minutes) Where C = rated capacitance in µF, V = rated DC working voltage in V				
Dissipation Factor Tan δ	See Dimensions & Permissible Ripple Current Table				
Load Life Test (after application of the rated voltage at maximum temperature, the polarity inverted every 250 hrs)	Test Time	2000 Hrs	Shelf Life Test	Test Time	1000 Hrs
	Capacitance Change	≤ ± 20%		Capacitance Change	≤ ± 20%
	Dissipation Factor	Less than 200% of specified value		Dissipation Factor	Less than 200% of specified value
	Leakage Current	Within specified value		Leakage Current	Within specified value
	Tested at 20 °C after the rated voltage, ripple current & maximum temperature applied for 2000 hrs			Tested at 20 °C after exposing to maximum temperature for 1000 hrs.	
Standards	Satisfies Characteristic W of JIS C 5101-4				

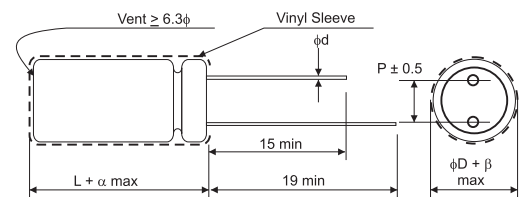
DIMENSIONS & PERMISSIBLE RIPPLE CURRENT

Dimension: ϕ D x L (mm); Ripple Current: mA/RMS at 120Hz at maximum rated Temperature

Series	VDC	RB Series						RBG Series					
		50V			100V			50V			100V		
		ϕ DxL	Tan δ	mA	ϕ DxL	Tan δ	mA	ϕ DxL	Tan δ	mA	ϕ DxL	Tan δ	mA
0.47	R47	6.3 x 11	0.12	50	6.3 x 11	0.12	50	6.3 x 11	0.12	45	6.3 x 11	0.12	45
0.56	R56	6.3 x 11	0.12	50	6.3 x 11	0.12	50	6.3 x 11	0.12	50	6.3 x 11	0.12	50
0.68	R68	6.3 x 11	0.12	55	6.3 x 11	0.12	55	6.3 x 11	0.12	50	6.3 x 11	0.12	50
0.82	R82	6.3 x 11	0.12	60	6.3 x 11	0.12	60	6.3 x 11	0.12	55	6.3 x 11	0.12	55
1	010	6.3 x 11	0.15	70	6.3 x 11	0.15	70	6.3 x 11	0.15	55	6.3 x 11	0.15	55
		8 x 5	0.12	75	8 x 11.5	0.12	75	8 x 11.5	0.12	70	8 x 11.5	0.12	70
		10 x 20	0.06	125	10 x 20	0.06	125						
1.5	1R5	6.3 x 11	0.15	85	6.3 x 11	0.15	85	6 x 11	0.15	70	6.3 x 11	0.15	70
		10 x 12.5	0.12	105	10 x 12.5	0.12	105	8 x 11.5	0.12	85	8 x 11.5	0.12	85
		10 x 20	0.06	160	10 x 20	0.06	160						
2.2	2R2	8 x 11.5	0.12	120	8 x 11.5	0.12	120	8 x 11.5	0.12	90	8 x 11.5	0.12	90
		10 x 12.5	0.10	125	10 x 12.5	0.10	125	10 x 12.5	0.10	120	10 x 12.5	0.10	120
		12.5 x 20	0.06	220	12.5 x 20	0.06	220						
3.3	3R3	8 x 11.5	0.12	150	8 x 11.5	0.12	150	8 x 11.5	0.12	110	8 x 11.5	0.12	110
		10 x 16	0.10	170	10 x 16	0.10	170	10 x 16	0.10	165	10 x 16	0.10	165
		16 x 25	0.06	335	16 x 25	0.06	335						
4.7	4R7	10 x 12.5	0.12	205	10 x 12.5	0.12	205	10 x 12.5	0.12	155	10 x 12.5	0.12	155
		10 x 16	0.10	225	10 x 16	0.10	225	10 x 20	0.10	220	10 x 20	0.10	220
		16 x 25	0.06	400	16 x 25	0.06	400						
6.8	6R8	10 x 16	0.12	270	10 x 16	0.12	270	10 x 16	0.12	225	10 x 16	0.12	225
		10 x 20	0.10	300	10 x 20	0.10	300	12.5 x 20	0.10	305	12.5 x 20	0.10	305
		16 x 31.5	0.06	535	16 x 31.5	0.06	535						
8.2	8R2	10 x 16	0.12	300	10 x 16	0.12	300	10 x 16	0.12	230	10 x 16	0.12	230
		10 x 20	0.10	330	110 x 20	0.10	330	12.5 x 20	0.10	335	12.5 x 20	0.10	335
		18 x 35.5	0.06	660	18 x 35.5	0.06	660						
10	100	10 x 16	0.12	330	10 x 16	0.12	330	10 x 16	0.12	250	10 x 16	0.12	250
		10 x 20	0.10	365	10 x 25	0.10	365	12.5 x 25	0.08	410	12.5 x 25	0.08	410
		22 x 40	0.06	880	22 x 40	0.06	880						
15	150	10 x 16	0.09	405	10 x 16	0.09	405	10 x 16	0.12	320	10 x 16	0.12	320
		12.5 x 25	0.08	570	12.5 x 25	0.08	570	12.5 x 25	0.08	505	12.5 x 25	0.08	505
		22 x 40	0.06	1070	22 x 40	0.06	1070						
22	220	12.5 x 25	0.09	690	12.5 x 25	0.09	690	12.5 x 25	0.08	550	12.5 x 25	0.08	550
		16 x 25	0.08	775	16 x 25	0.08	775	16 x 25	0.08	685	16 x 25	0.08	685
		22 x 45	0.06	1565	22 x 45	0.06	1565						
33	330	16 x 31.5	0.09	1055	16 x 31.5	0.09	1055	16 x 31.5	0.09	840	16 x 31.5	0.09	840
		16 x 35.5	0.08	1110	16 x 35.5	0.08	1110						
		16 x 31.5	0.09	1255	16 x 31.5	0.09	1255	16 x 31.5	0.09	1005	16 x 31.5	0.09	1005
47	470	16 x 35.5	0.08	1325	16 x 35.5	0.08	1325	18 x 35.5	0.08	1185	18 x 35.5	0.08	1185
		16 x 40	0.09	1700	16 x 40	0.09	1700	18 x 35.5	0.09	1355	18 x 35.5	0.09	1355
		18 x 35.5	0.08	1795	18 x 35.5	0.08	1795	22 x 40	0.08	1680			

LEAD SPACING AND DIAMETER

ϕ D	6.3	8	10	13	16	18	22
P	2.5	3.5	5.0	5.0	7.5	7.5	10
ϕ d	0.5	0.6		0.8		1.0	
α	1.0		1.5		2.0		
β	0.5						



PART NUMBER EXAMPLE

RB 010 M 1H BK 080 115