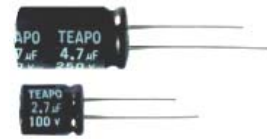


ALUMINUM ELECTROLYTIC CAPACITORS

RB Non-Polar Series

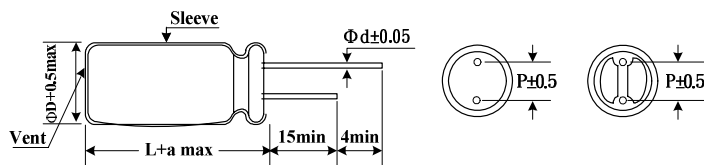
- Features: 85℃, 1000hrs, Non-polarized/Polarity reversing, High ripple current
- Recommended Applications: Crossover/Speaker network, Reversed polarity circuit
- Corresponding product to RoHS



Specifications

Item	Characteristics						
Operating Temperature Range	-40 ~ +85℃						
Rated Voltage Range	25 ~ 100VDC						
Rated Capacitance Range	1 ~ 100μF						
Capacitance Tolerance	± 10 % at 1KHz , 20℃						
Leakage Current (MAX) (20℃)	I ≤ 0.03CV or 3μA whichever is greater (After rated voltage applied for 2 minutes)						
	I= Leakage Current (μA) C= Nominal Capacitance (μF) V= Rated Voltage (V)						
Dissipation Factor (MAX) (tan δ) (120Hz ,20℃)	WV	25	35	50	63	80	100
	tan δ	0.17	0.15	0.15	0.12	0.10	0.10
Endurance	After applying rated voltage for 1000 hours at 85 ℃,the capacitors shall meet the following requirements. (The polarity shall be reversed every 250 hours)						
	Capacitance Change			Within ± 20 % of the initial value			
	Dissipation Factor			Not more than 200% of the specified value			
	Leakage Current			Not more than the specified value			
Shelf Life	After placed at 85℃ without voltage applied for 500 hours, the capacitors shall meet the same requirement as Endurance.						

Dimensions



ϕ D	5	6.3	8	10	13	16	18
P	2.0	2.5	3.5	5.0	5.0	7.5	7.5
ϕ d	0.5	0.5	0.6	0.6	0.6	0.8	0.8
a	1.5	1.5	1.5	1.5	2.0	2.0	2.0

Multiplier for Ripple Current

Frequency coefficient

WV(VDC) \ Freq.(Hz)	50	120	1K	10K	100K
25 ~ 35	0.8	0.9	1.0	1.6	1.8
50 ~ 100	0.8	0.9	1.0	1.7	2.0

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■ Dimensions, Rated Ripple Current

Capacitance (μ F)	Rated (Surge) Voltage											
	25 (32)		35 (44)		50 (63)		63 (79)		80 (100)		100 (125)	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
1											6.3x11	70
1.5											6.3x11	85
2.2									6.3x11	95	8x11	110
3.3							6.3x11	105	8x11	130	8x11	140
4.7							8x11	145	8x11	155	10x12.5	200
5.6					6.3x11	130	8x11	160	10x12.5	200	10x12.5	215
6.8					8x11	170	8x11	180	10x12.5	220	10x12.5	235
8.2					8x11	185	8x11	195	10x12.5	245	10x16	290
10			6.3x11	170	8x11	205	10x12.5	255	10x12.5	270	10x16	320
15	6.3x11	200	8x11	240	10x12.5	295	10x12.5	310	10x16	390	10x20	445
22	8x11	280	10x12.5	340	10x12.5	360	10x16	420	10x20	505	13x20	625
33	8x11	340	10x12.5	420	10x16	515	10x20	580	13x20	720	13x25	845
47	10x12.5	480	10x16	555	10x20	660	13x20	805	13x25	945	16x25	1155
56	10x12.5	520	10x16	640	13x20	835	13x20	880	13x25	1030	16x25	1260
68	10x16	635	10x16	705	13x20	920	13x25	1070	16x25	1300	16x32	1520
82	10x16	700	10x20	830	13x20	1010	13x25	1175	16x25	1430	16x36	1765
100	10x16	820	13x20	1065	13x25	1230	16x36	1480	16x36	1820	18x36	2080

☆ Size: $D \phi \times L$ (mm) ☆ Ripple Current : mA/rms, 85°C, 1KHz