

# CB Series

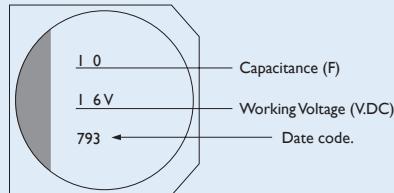
## Surface Mount Aluminum Electrolytic

### FEATURE

For General Purposes Series with 105°C 1000 Hours

Suitable for AV (TV, Video, Audio) Monitor/Computer, OA/HA/Communication

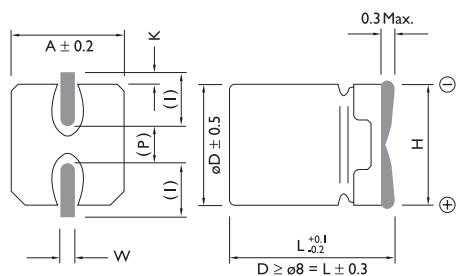
### MARKING



### DIMENSIONS

Unit : mm

SIZE CODE	D <sub>Ø</sub>	L	A	H	I	W	P	K
B	4.0	5.4	4.3	5.5 Max.	1.8	0.65 ± 0.1	1.0 ± 0.2	0.35 ± 0.15
C	5.0	5.4	5.3	6.5 Max.	2.2	0.65 ± 0.1	1.5 ± 0.2	0.35 ± 0.15
D	6.3	5.4	6.6	7.8 Max.	2.6	0.65 ± 0.1	1.8 ± 0.2	0.35 ± 0.15
E	8.0	6.2	8.3	9.5 Max.	3.4	0.65 ± 0.1	2.2 ± 0.2	0.35 ± 0.15
F	8.0	10.2	8.3	10.0 Max	3.4	0.90 ± 0.2	3.1 ± 0.2	0.70 ± 0.20
G	10.0	10.2	10.3	12.0 Max	3.5	0.90 ± 0.2	4.6 ± 0.2	0.70 ± 0.20
H	6.3	7.7	6.6	7.8 Max.	2.6	0.65 ± 0.1	1.8 ± 0.2	0.35 ± 0.15



( ) Reference Size



## SPECIFICATION

ITEM	CHARACTERISTIC																								
Operation Temperature Range	-40 to +105°C																								
Rated Working Voltage Range	4 to 50V. DC																								
Rated Capacitance	Range = 0.1 ~ 1000μF																								
Capacitance Tolerance	±20% (120Hz / +20°C)																								
Leakage Current (25°C)	Polarized : $I \leq 0.01CV$ or 3 (μA) Whichever is greater after 2 minutes application of DC rated working voltage at 25°C. I : Leakage Current (μA) C : Rated Capacitance (μF) V : Working Voltage (V)																								
Low Temperature Stability	Impedance Ratio at 120Hz <table border="1" style="margin-left: auto; margin-right: auto;"><tr><td>WV (V)</td><td>4</td><td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td></tr><tr><td>Z(-25°C)/Z(+20°C)</td><td>7</td><td>4</td><td>3</td><td>2</td><td>2</td><td>2</td><td>2</td></tr><tr><td>Z(-40°C)/Z(+20°C)</td><td>15</td><td>8</td><td>6</td><td>4</td><td>4</td><td>3</td><td>3</td></tr></table>	WV (V)	4	6.3	10	16	25	35	50	Z(-25°C)/Z(+20°C)	7	4	3	2	2	2	2	Z(-40°C)/Z(+20°C)	15	8	6	4	4	3	3
WV (V)	4	6.3	10	16	25	35	50																		
Z(-25°C)/Z(+20°C)	7	4	3	2	2	2	2																		
Z(-40°C)/Z(+20°C)	15	8	6	4	4	3	3																		
Load Life	After 1000 hours application of WV at 105°C, the capacitor shall meet following limits. Capacitance Change ≤ ±20% of Initial Value Dissipation Factor ≤ 200% of Initial Specified Value Leakage Current ≤ Initial Specified Value																								
Shelf Life	After placed at 105°C without voltage applied for 1000 hours, the capacitor shall meet the same requirement as Endurance.																								

## CASE SIZE & MAX RIPPLE CURRENT

Max. Ripple Current (mA) r.m.s. (120Hz / +105°C)

POLARIZED																
μF	4	RIPPLE	6.3	RIPPLE	10	RIPPLE	16	Ripple	25	RIPPLE	35	RIPPLE	50	RIPPLE		
0.1													4 x 5.4	1		
0.22													4 x 5.4	2		
0.33													4 x 5.4	3		
0.47													4 x 5.4	5		
1.0													4 x 5.4	10		
2.2													4 x 5.4	16		
3.3													4 x 5.4	1		
4.7								4 x 5.4	20	4 x 5.4	22	4 x 5.4	22	5 x 5.4	23	
10							4 x 5.4	24						6.3 x 5.4	35	
22	4 x 5.4	20	4 x 5.4	29	4 x 5.4	36	4 x 5.4	30	6.3 x 5.4	55	5 x 5.4	38	6.3 x 7.7	65		
33	4 x 5.4	26	4 x 5.4	43	4 x 5.4	45	6.3 x 5.4	40	6.3 x 5.4	65	6.3 x 5.4	60	8 x 6.2	70		
47	4 x 5.4	34			6.3 x 5.4	70	6.3 x 5.4	48					8 x 6.2	84	6.3 x 7.7	70
100	5 x 5.4	61	6.3 x 5.4	71	6.3 x 5.4	53			8 x 6.2	91	8 x 10.5	98	8 x 10.5	91	10 x 10.5	100
150							6.3 x 5.4	62					6.3 x 7.7	105		
220	6.3 x 5.4	82	6.3 x 7.7	120	6.3 x 7.7	115	6.3 x 7.7	100	8 x 10.5	175						
330			8 x 6.2	130	8 x 10.5	160	10 x 10.5	210	10 x 10.5	273						
470			6.3 x 7.7	175	10 x 10.5	230			10 x 10.5	230						
1000	10 x 10.5	380	8 x 10.5	260	10 x 10.5	270	10 x 10.5	270	10 x 10.5	275						