

CE Series

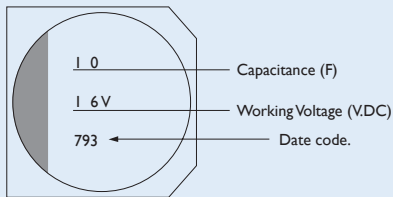
Surface Mount Aluminum Electrolytic

FEATURE

For Long Life Series with 105°C 2000 Hours

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

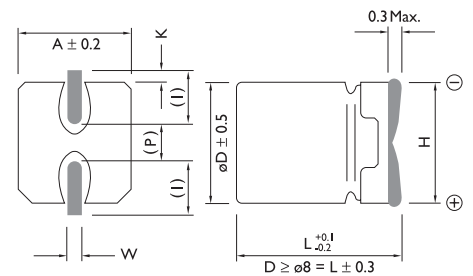
MARKING



DIMENSIONS

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

Unit : mm



() Reference Size



SPECIFICATION

ITEM	CHARACTERISTIC																					
Operation Temperature Range	-40 to +105°C																					
Rated Working Voltage Range	6.3 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"> <thead> <tr> <th>WV (V)</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> </tr> </thead> <tbody> <tr> <td>Z(-25°C)/Z(+20°C)</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>8</td> <td>6</td> <td>4</td> <td>4</td> <td>3</td> <td>3</td> </tr> </tbody> </table>	WV (V)	6.3	10	16	25	35	50	Z(-25°C)/Z(+20°C)	4	3	2	2	2	2	Z(-40°C)/Z(+20°C)	8	6	4	4	3	3
WV (V)	6.3	10	16	25	35	50																
Z(-25°C)/Z(+20°C)	4	3	2	2	2	2																
Z(-40°C)/Z(+20°C)	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 : (120KHz / 105°C)

POLARIZED

μF	6.3	RIPPLE	10	RIPPLE	16	RIPPLE	25	RIPPLE	35	RIPPLE	50	RIPPLE
0.1											4X5.4	1
0.22											4X5.4	2
0.33											4X5.4	3
0.47											4X5.4	5
1											4X5.4	10
2.2											4X5.4	16
3.3											4X5.4	16
4.7							4X5.4	22	4X5.4	22	5X5.4	23
6.8							5X5.4	25	5X5.4	27	5X5.4	30
10					4X5.4	28	4X5.4	28	5X5.4	30	6.3X5.4	35
22	5X5.4	29	5X5.4	36	5X5.4	39	6.3X5.4	55	6.3X5.4	60	8X10.2	70
33	5X5.4	43	5X5.4	45	6.3X5.4	65	6.3X5.4	65	6.3X7.7	79	8X10.2	91
									8X6.2	84		
47	5X5.4	44	6.3X5.4	70	6.3X5.4	70	6.3X7.7	86	6.3X5.4	66	10X10.2	100
	6.3X5.4	46			6.3X7.7	80	8X6.2	91	8X10.2	98		
	6.3X5.4	71	6.3X7.7	104	6.3X7.7	130	8X10.2	130	10X10.2	160	10X10.2	145
100			8X6.2	110	8X10.2	140						
	6.3X7.7	115	6.3X7.7	105	10X10.2	210	10X10.2	273	10X10.2	240		
220	8X10.2	150	8X10.2	160	10X10.2	230						
330	8X10.2	230	10X10.2	230	10X10.2	275	10X10.2	334				
470	10X10.2	260	10X10.2	270								
680												
1000	10X10.2	380	10X10.2	390								

Note: *1. D × L: mm

*2. Ripple Current : (mA/rms 105°C / 120Hz), ESR (Ω Max20°C / 120Hz)