

Surface Mount Aluminum Electrolytic

CA Series

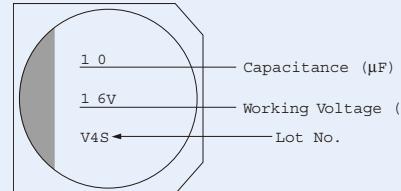


FEATURE

For General Purposes Series with 85°C 2000 Hours

Suitable for AV (TV, Video, Audio), Personal Computer, Home Appliance

MARKING

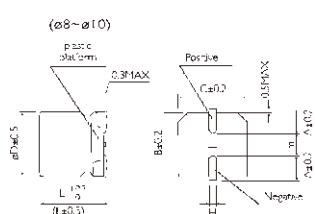
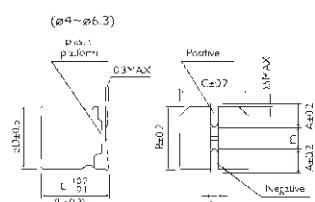


RoHS

COMPLIANT

Unit : mm

DIMENSIONS



SIZE CODE	Dø	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	0.35 ^{+ 0.15} _{- 0.20}
C	5.0	5.4	5.3	6.5 Max.	2.2	0.65 ± 0.1	1.5	0.35 ^{+ 0.15} _{- 0.20}
D	6.3	5.4	6.6	7.8 Max.	2.6	0.65 ± 0.1	2.2	0.35 ^{+ 0.15} _{- 0.20}
E	8.0	6.5	8.3	9.4 Max.	3.4	0.65 ± 0.1	2.2	0.35 ^{+ 0.15} _{- 0.20}
F	8.0	10.5	8.3	10.0 Max.	3.4	0.90 ± 0.2	3.1	0.70 ± 0.20
G	10.0	10.5	10.3	12.0 Max.	3.5	0.90 ± 0.2	4.6	0.70 ± 0.20
H	6.3	7.7	6.6	0.8 Max.	2.6	0.65 ± 0.1	2.2	0.35 ^{+ 0.15} _{- 0.20}



SPECIFICATION

ITEM	CHARACTERISTIC									
Operation Temperature Range	-40 to +85°C									
Rated Working Voltage Range	4 to 100V.DC									
Rated Capacitance	Range = 0.1 ~ 1500μF									
Capacitance Tolerance	±20% (120Hz / +25°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.									
Dissipation Factor (tanδ)	I : Leakage Current (μA) C : Rated Capacitance (μF) V : Working Voltage (V)									
(120Hz / +25°C)	Polarized () : D.F of Down-sized									
	WV (V)	4	6.3	10	16	25	35	50	63	100
	D.F	40	35	26	20	16	14	14	18	18
Low Temperature Stability	Impedance Ratio at 120.4z									
	WV (V)	4	6.3	10	16	25	35	50	63	100
	Z(-25°C)	<0.8	7	4	3	2	2	2	3	3
	/Z(+20°C)	≥0.8	7	5	4	3	2	2	3	3
	Z(-40°C)	<0.8	15	8	8	4	4	3	4	4
	/Z(+20°C)	≥0.8	15	10	8	6	4	3	4	4
Shelf Life	At +85°C no voltage application after 1000 hours and then through the aging treatment, the capacitor shall meet limits for load life characteristics.									

CASE SIZE & MAX RIPPLE CURRENT

POLARIZED										Max. Ripple Current (mA) r.m.s. (120Hz / +85°C)			
μF	4	6.3	10	16	25	35	50	63	100				
0.1										4 x 5.4	1.0	4 x 5.4	1.0
0.22										4 x 5.4	2.0	4 x 5.4	2.3
0.33										4 x 5.4	2.8	4 x 5.4	3.5
0.47										4 x 5.4	4.0	4 x 5.4	5.0
1.0										4 x 5.4	8.4	4 x 5.4	10
2.2										4 x 5.4	13	4 x 5.4	15
3.3										4 x 5.4	16	4 x 5.4	20
4.7										4 x 5.4	18		
				4 x 5	23	4 x 5.4	16	4 x 5.4	18			4 x 5.4	23
10						4 x 5.4	21	4 x 5.4	24	5 x 5.4	30		
					4 x 5.4	23	5 x 5.4	27				6.3 x 5.4	34
22				4 x 5.4	28	4 x 5.4	38	5 x 5.4	38	5 x 5.4	39		
				4 x 5.4	28	5 x 5.4	33	5 x 5.4	37	6.3 x 5.4	55		
33				4 x 5.4	22	4 x 5.4	29	5 x 5.4	35	5 x 5.4	46		
				4 x 5.4	28	5 x 5.4	41	6.3 x 5.4	49	6.3 x 5.4	52		
47				4 x 5.4	40	5 x 5.4	43	5 x 5.4	39	6.3 x 5.4	58		
				4 x 5.4	33	5 x 5.4	45	6.3 x 5.4	43	6.3 x 5.4	43		
56				5 x 5.4	46	5 x 5.4	50	5 x 5.4	57	6.3 x 5.4	65		
				5 x 5.4	42	6.3 x 5.4	52	6.3 x 5.4	63	6.3 x 7.7	80		
100				5 x 5.4	47	5 x 5.4	54	8 x 6.2	70	8 x 10.5	120		
				5 x 5.4	56	6.3 x 5.4	70	6.3 x 5.4	70	6.3 x 7.7	130		
150				6.3 x 5.4	79	6.3 x 5.4	71	6.3 x 7.7	76	8 x 10.5	192		
220				6.3 x 5.4	96	6.3 x 7.7	95	6.3 x 7.7	150	8 x 10.5	140		
				6.3 x 5.4		8 x 10.5	150	8 x 10.5	215	8 x 10.5	250		
330				8 x 6.2		8 x 6.2	250	8 x 10.5	192	8 x 10.5	214		
				6.3 x 7.7	152	6.3 x 7.7	150	8 x 10.5	240	8 x 10.5	320		
470				8 x 6.2		8 x 6.2	300	10 x 10.5	380	10 x 10.5	307		
				6.3 x 7.7	200	8 x 10.5	265	8 x 10.5	290	10 x 10.5	393		
680				8 x 10.5	284	8 x 10.5	318	10 x 10.5	374	10 x 10.5	396		
1000				8 x 10.5		8 x 10.5	372	10 x 10.5	374	10 x 10.5	396		
1500				8 x 0.5	344	8 x 10.5	489	10 x 10.5	454	10 x 10.5	289		