Surface Mount Aluminum Electrolytic

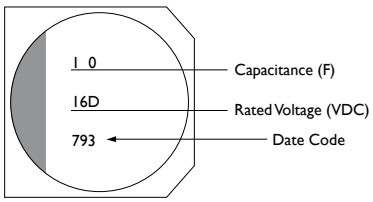
CE [For Long Life]

FEATURE

For Long Life Series with 105°C 2000 Hours

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

MARKING



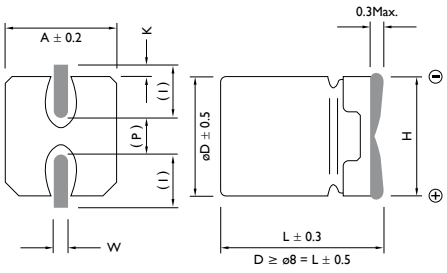
ELECTRICAL CHARACTERISTICS

Operation Temperature Range	-40 to +105°C
Rated Voltage Range	6.3 to 100VDC
Rated Capacitance Range	0.1 ~ 1000μF
Capacitance Tolerance	±20% at 120Hz, 20°C
Leakage Current (Max. 20°C)	I ≤ 0.01CV (μA) or 3μA whichever is greater. (After Rated Voltage Applied for 2 Minutes) I = Leakage Current (μA), C = Rated Capacitance (μF), V = Rated Voltage (V)
Low Temperature Stability	Impedance Ratio at 120Hz

WV (V)	6.3	10	16	25	35	50	63	100
Z (-25°C) / Z (+20°C)	4	3	2	2	2	2	2	2
Z (-40°C) / Z (+20°C)	8	6	4	4	3	3	3	3

Endurance	After the WV has been applied at 105°C for 2000 hours, the capacitors shall meet following requirements. (a) Capacitance Change: Within ±25% of the Initial Value for 4ø to 6.3ø Within ±20% of the Initial Value for 8ø to 10ø (b) Dissipation Factor: Not Exceeding 200% of Specified Value (c) Leakage Current: Not Exceeding the Specified Value
Shelf Life	After having been placed at 105°C without voltage applied for 1000 hours, the capacitors shall meet the same requirements as Endurance.

DIMENSIONS



( ) Reference Size

Unit: mm

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 ± 0.2	0.35 $^{+0.15}_{-0.20}$
C	5.0	5.4	5.3	6.5 Max.	2.2	0.65 ± 0.1	1.5 ± 0.2	0.35 $^{+0.15}_{-0.20}$
D	6.3	5.4	6.6	7.8 Max.	2.6	0.65 ± 0.1	1.8 ± 0.2	0.35 $^{+0.15}_{-0.20}$
E	8.0	6.5	8.3	9.5 Max.	3.4	0.65 ± 0.1	2.2 ± 0.2	0.35 $^{+0.15}_{-0.20}$
F	8.0	10.5	8.3	10.0 Max.	3.4	0.90 ± 0.2	3.1 ± 0.2	0.70 ± 0.20
G	10.0	10.5	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 $^{+0.15}_{-0.20}$

CASE SIZE & PERMISSIBLE RIPPLE CURRENT OF STANDARD PRODUCTS

D x L: mm

CAP. (μF)	RATED VOLTAGE W V (SURGE VOLTAGE W V)								
	6.3 (8) SIZE	RIPPLE CURRENT	DISSIPATION FACTOR	10 (13) SIZE	RIPPLE CURRENT	DISSIPATION FACTOR	16 (20) SIZE	RIPPLE CURRENT	DISSIPATION FACTOR
4.7							4 x 5.4	20	0.16
10							4 x 5.4	28	0.16
22	5 x 5.4	29	0.30	5 x 5.4	36	0.22	5 x 5.4	39	0.16
33	5 x 5.4	43	0.30	5 x 5.4	45	0.22	6.3 x 5.4	65	0.16
47	5 x 5.4	44	0.30	6.3 x 5.4	70	0.22	6.3 x 5.4	70	0.16
	6.3 x 5.4	46	0.30				6.3 x 7.7	80	0.16
100	6.3 x 5.4	71	0.30	6.3 x 5.4	85	0.30	6.3 x 5.4	100	0.20
				6.3 x 7.7	104	0.30	6.3 x 7.7	130	0.20
				8 x 6.5	110	0.30	8 x 10.5	140	0.20
220	6.3 x 7.7	115	0.35	6.3 x 7.7	105	0.30	10 x 10.5	210	0.20
	8 x 10.5	150	0.35	8 x 10.5	160	0.30			
330	8 x 10.5	230	0.35	8 x 10.5	190	0.30	10 x 10.5	230	0.20
				10 x 10.5	230	0.26			
470	8 x 10.5	260	0.35	10 x 10.5	270	0.26	10 x 10.5	275	0.20
	10 x 10.5	260	0.35						
1000	10 x 10.5	380	0.35	10 x 10.5	390	0.26			

Note: 1. Ripple Current: (mA/rms) 105°C, 120Hz
2. Dissipation Factor: 20°C, 120Hz

CASE SIZE & PERMISSIBLE RIPPLE CURRENT OF STANDARD PRODUCTS

D x L: mm

CAP. (μF)	RATED VOLTAGE W V (SURGE VOLTAGE W V)								
	25 (32) SIZE	RIPPLE CURRENT	DISSIPATION FACTOR	35 (44) SIZE	RIPPLE CURRENT	DISSIPATION FACTOR	50 (63) SIZE	RIPPLE CURRENT	DISSIPATION FACTOR
0.10							4 x 5.4	1	0.12
0.22							4 x 5.4	2	0.12
0.33							4 x 5.4	3	0.12
0.47							4 x 5.4	5	0.12
1.0							4 x 5.4	10	0.12
2.2							4 x 5.4	16	0.12
3.3							4 x 5.4	16	0.12
4.7	4 x 5.4	22	0.14	5 x 5.4	23	0.12	4 x 5.4	18	0.12
							5 x 5.4	23	0.12
6.8	4 x 5.4	25	0.14	5 x 5.4	27	0.12	5 x 5.4	30	0.12
10	5 x 5.4	28	0.14	5 x 5.4	30	0.12	5 x 5.4	35	0.12
22	6.3 x 5.4	55	0.14	6.3 x 5.4	60	0.14	8 x 10.5	70	0.12
33	6.3 x 5.4	65	0.14	6.3 x 7.7	79	0.14	8 x 10.5	91	0.12
				8 x 6.5	84	0.14			
47	6.3 x 5.4	70	0.16	8 x 10.5	98	0.14	10 x 10.5	100	0.12
	6.3 x 7.7	86	0.16						
	8 x 6.5	91	0.16						
100	6.3 x 7.7	90	0.16	10 x 10.5	160	0.14	10 x 10.5	145	0.12
	8 x 10.5	130	0.16						
220	8 x 10.5	220	0.16	10 x 10.5	240	0.14	10 x 10.5	200	0.12
	10 x 10.5	273	0.16						
330	10 x 10.5	334	0.16						
470	10 x 10.5	300	0.16						

Note: 1. Ripple Current: (mA/rms) 105°C, 120Hz
2. Dissipation Factor: 20°C, 120Hz

CASE SIZE & PERMISSIBLE RIPPLE CURRENT OF STANDARD PRODUCTS

D x L: mm

CAP. (μF)	RATED VOLTAGE W V (SURGE VOLTAGE W V)					
	63 (79) SIZE	RIPPLE CURRENT	DISSIPATION FACTOR	100 (125) SIZE	RIPPLE CURRENT	DISSIPATION FACTOR
3.3				8 x 10.5	30	0.18
4.7	8 x 10.5	25	0.18	8 x 10.5	80	0.18
10	8 x 10.5	25	0.18	8 x 10.5	85	0.18
22	10 x 10.5	45	0.18	10 x 10.5	85	0.18
33	10 x 10.5	45	0.18	10 x 10.5	90	0.18
47	10 x 10.5	55	0.18			

Note: 1. Ripple Current: (mA/rms) 105°C, 120Hz
2. Dissipation Factor: 20°C, 120Hz