

Surface Mount Aluminum Electrolytic

CE [For Long Life]

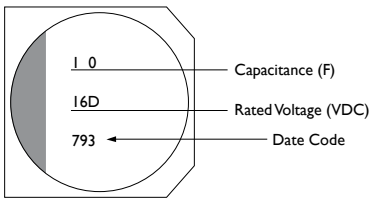


FEATURE

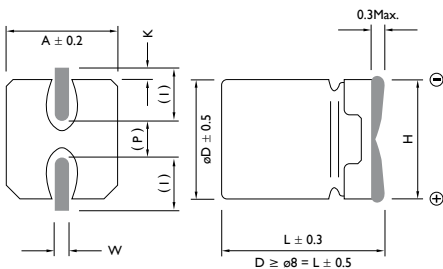
For Long Life Series with 105°C 2000 Hours

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

MARKING



DIMENSIONS



() Reference Size

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.								

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 WV (SURGE VOLTAGE WV)								
	6.3 (8)			10 (13)			16 (20)		
	SIZE	RIPPLE CURRENT	DISSIPATION FACTOR	SIZE	RIPPLE CURRENT	DISSIPATION FACTOR	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 WV (SURGE VOLTAGE WV)								
	25 (32) SIZE			35 (44) SIZE			50 (63) SIZE		
	SIZE	RIPPLE CURRENT	DISSIPATION FACTOR	SIZE	RIPPLE CURRENT	DISSIPATION FACTOR	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. (μ F)	RATED VOLTAGE WV (SURGE VOLTAGE WV)					
	63 (79) SIZE			100 (125) SIZE		
		RIPPLE CURRENT	DISSIPATION FACTOR		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