

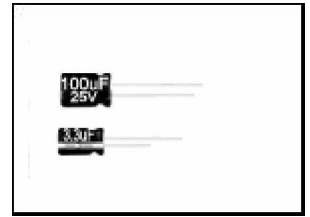


DONGGUAN CITY AMAZING ELECTRONICS CO., LTD.

ALUMINUM ELECTROLYTIC CAPACITOR

KS 7mm Height, 105°C Standard Series

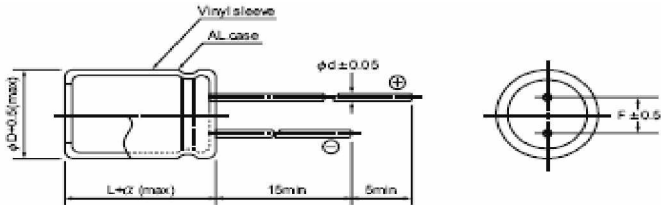
- Miniature sized for general-purpose application.
- Working temperature range up to 105°C.
- Life guaranteed 1,000 hours/105°C.



• Specifications

Item	Performance Characteristics								
Operating Temperature range	-40 +105°C								
Rated Voltage	4V ~ 50V								
Capacitance Range	0.1 ~ 470 µF								
Capacitance Tolerance	±20% (120Hz, 20°C)								
Leakage Current	I ≤ 0.01CV or 3 µA, whichever is greater after 2 minutes application of rated voltage.								
Dissipation Factor (120Hz, 20°C)	Rated voltage (V)	4	6.3	10	16	25	35	50	
	Tan δ (max.)	0.35	0.24	0.21	0.18	0.15	0.13	0.12	
Temperature Characteristics (120Hz)	Impedance Ratio / Stability at Low Temperature								
	Rated voltage (V)	4	6.3	10	16	25	35	50	
	Z (-25°C) / Z (20°C)	6	3	2	2	2	2	2	
	Z (-40°C) / Z (20°C)	12	6	5	4	3	3	3	
Load Life	After 1,000 hours application of WV at 105°C, capacitor shall meet the characteristics requirements mentioned below.								
	Capacitance change	Within ±20% of initial value							
	Tan δ	200% or less of initial specified value							
	Leakage current	Initial specified value or less							
Shelf Life	At 105°C, no voltage applied for 1,000 hours, the capacitor shall meet the limits as in load life.								

• Case size table Unit: (mm)



D φ	4	5	6	8
F	1.5	2.0	2.5	3.5
φ d	0.45	0.45	0.45	0.5

• Dimensions

Cap (µF)	WV(SV)		D φ x L (mm)										
	4	5	4	5	6	8	10	16	25	35	50		
	(5)	(10)	(13)	(20)	(32)	(44)	(63)						
0.1												4 x 7	1
0.22												4 x 7	2.3
0.33												4 x 7	3.5
0.47												4 x 7	5
1												4 x 7	10
2.2												4 x 7	18
3.3												4 x 7	23
4.7										4 x 7	24	4 x 7	26
10				4 x 7	29	4 x 7	31	5 x 7	36	6.3 x 7	44	6.3 x 7	44
22		4 x 7	34	4 x 7	36	4 x 7	38	5 x 7	46	6.3 x 7	55	6.3 x 7	58
33		4 x 7	38	4 x 7	40	5 x 7	48	6.3 x 7	60	6.3 x 7	62	8 x 7	70
47	4 x 7	38	4 x 7	44	5 x 7	50	5 x 7	59	6.3 x 7	68	6.3 x 7	72	8 x 7
100	4 x 7	48	5 x 7	72	5 x 7	80	6.3 x 7	92	8 x 7	112	8 x 7	120	
220	6.3 x 7	90	6.3 x 7	112	6.3 x 7	120	8 x 7	146					
330	8 x 7	142	8 x 7	150	8 x 7	162	8 x 7	180					
470	8 x 7	210	8 x 7	230									Case Size
													Ripple

Ripple current (mA) at 105°C 120Hz