



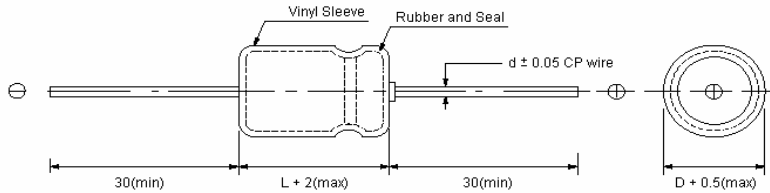
RoHS Compliant ALUMINIUM ELECTROLYTIC CAPACITOR

SA Series

■ **FEATURES**

- Load life of 2000 hours at 85 ℃.
- High value of CV range.
- Standard series for general purpose.

■ **OUTLINE**



	mm									
D	6	8	10	13	16	18	20	22	25	
d	0.6					0.8				

■ **SPECIFICATIONS**

Items	Characteristics															
Capacitance Tolerance (120Hz, 25°C)	± 20% (M)															
Rated Working Voltage Range	6.3 ~ 100VDC								160 ~ 450VDC							
Operation Temperature	-40°C ~ +85°C								-25°C ~ +85°C							
Leakage Current (25°C)	(After 2 minutes applying the DC working voltage)								(After 5 minutes applying the DC working voltage)							
	$I \leq 0.01CV$ or $3 (\mu A)$								$I \leq 0.03CV + 10 (\mu A)$							
	□ I : Leakage Current (μA)				□ C : Rated Capacitance (μF)				□ V : Working Voltage (V)							
Surge Voltage (25°C)	W.V.	6.3	10	16	25	35	40	50	63	100	160	200	250	350	400	450
	S.V.	8	13	20	32	44	50	63	79	125	200	250	300	400	450	500
Dissipation Factor (120Hz, 25°C)	W.V.	6.3	10	16	25	35	40	50	63	100	160	200	250	350	400	450
	tan δ	0.25	0.20	0.17	0.15	0.12	0.12	0.10	0.10	0.10	0.15	0.15	0.15	0.20	0.20	0.20
□ For capacitance exceeding 1000 μF, add 0.02 per increment of 1000 μF																
Temperature Characteristics	W.V.	6.3	10	16	25	35	40	50	63	100	160	200	250	350	400	450
	- 25°C / + 25°C	4	4	3	3	2	2	2	2	2	3	3	3	6	6	6
	- 40°C / + 25°C	10	8	6	4	3	3	3	3	3	3	4	4	4	6	6
□ Impedance ratio at 120Hz																
Load Test	After 2000 hours application of WV at +85°C, the capacitor shall meet the following limits.															
	Capacitance Change	≤ ± 20% of initial value														
	tan δ	≤ 150% of initial specified value														
	Leakage Current	≤ initial specified value														
Shelf Test	After 1000 hours, no voltage applied at +85°C, the capacitor shall meet the following limits.															
	Capacitance Change	≤ ± 20% of initial value														
	tan δ	≤ 150% of initial specified value														
	Leakage Current	≤ 200% of initial specified value														

