

# SA ROHS SERIES

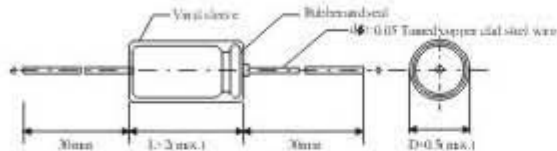


## FEATURES

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



## DIMENSIONS



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

## SPECIFICATIONS

Item	Characteristics	
Operation Temperature	-40 ~ +85 °C	-25 ~ +85 °C
Rated Working Voltage Range	6.3 ~ 100VDC	160 ~ 450VDC
Capacitance Tolerance (120Hz, 25 °C)	± 20% (M)	
Leakage Current (25 °C)	6.3 ~ 100VDC	160 ~ 450VDC
	$I \leq 0.01CV$ or $3 (\mu A)$	$I \leq 0.03CV + 10 (\mu A)$
	I: Leakage Current ( $\mu A$ ) C: Rated Capacitance ( $\mu F$ ) V: Working Voltage (V)	
	(After 2 minutes applying the DC working voltage) (After 5 minutes applying the DC working voltage)	
Surge Voltage (25 °C)	WV	6.3 10 16 25 35 40 50 63 100 160 200 250 350 400 450
	SV	8 13 20 32 44 50 63 79 125 200 250 300 400 450 500
Dissipation Factor (120Hz, 25 °C) (tan $\delta$ )	WV	6.3 10 16 25 35 40 50 63 100 160 200 250 350 400 450
	tan $\delta$	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 $\mu F$ , add 0.02 per increment of 1000 $\mu F$	
Temperature Characteristics	WV	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 4 4 4 6 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	$\leq \pm 20\%$ of initial value
	tan $\delta$	$\leq 150\%$ of initial specified value
	Leakage Current	$\leq$ initial specified value
Shelf Test	After 1000 hours, no voltage applied at +85 °C the capacitor shall meet the following limits.	
	Capacitance Change	$\leq \pm 20\%$ of initial value
	tan $\delta$	$\leq 150\%$ of initial specified value
	Leakage Current	$\leq 200\%$ of initial specified value

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# ROHS ALUMINIUM ELECTROLYTIC CAPACITOR



## DIMENSIONS

		D × L (mm)								
$\mu F$	WV	6.3	10	16	25	35	40	50	63	100
	0.47						→	6 × 13	6 × 13	6 × 13