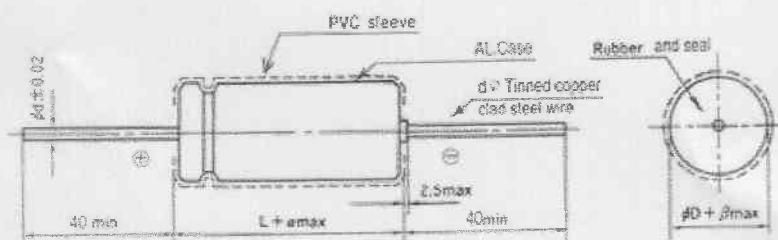


# SA series FOR GENERAL PURPOSE

Item	Characteristics													
Operating Temperature Range	-40~85° C							-40~85° C						
Rated Working Voltage Range	10V~100V DC							160V~450V DC						
Capacitance Tolerance (120Hz, 25°C)	$\pm 20\%$ (M)													
Leakage Current (25° C)	10V~100V DC							160V~450V DC						
	$I \leq 0.02CV$ or 3(uA)							$I \leq 0.03CV$ or 40(uA)						
I : Leakage Current (uA) C : Rated Capacitance (uF) V : Working Voltage (V) After 5 minutes applying the DC working voltage														
Surge Voltage (25° C)	W. V.	10	16	25	35	50	63	100	160	200	250	350	400	450
	S. V.	13	20	32	44	63	79	125	200	250	300	400	450	500
Dissipation Factor (120Hz, 25° C) (Tan. $\Theta$ )	W. V.	10	16	25	35	50	63	100	160	200	250	350	400	450
	Tan. $\Theta$	0.20	0.17	0.15	0.12	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.24	0.24
For capacitance exceeding 1000 uF, add 0.02 per increment of 1000 uF														
Temperature Characteristics	W. V.	10	16	25	35	50	63	100	160	200	250	350	400	450
	-25° C/+25° C	4	3	3	2	2	2	2	8	8	8	12	15	16
Load Test	-40° C/+25° C	8	6	4	3	3	3	3	6	8	10	-	-	-
	Impedance ration at 120Hz													
Shelf Test	After 1000 hours application of W.V. at +85° C the capacitor shall meet the following limits													
	Capacitance change	$\leq \pm 20\%$ of initial value												
	Tan. $\Theta$	$\leq 150\%$ of initial specified value												
Shelf Test	Leakage current	$\leq$ initial specified value												
	After 500 hours application of W.V. at +85° C the capacitor shall meet the following limits													
	Capacitance change	$\leq \pm 20\%$ of initial value												
	Tan. $\Theta$	$\leq 150\%$ of initial specified value												
	Leakage current	$\leq 200\%$ of initial specified value												

## SA series Dimensions



$$L \leq 16 \rightarrow \square = 1 \quad \varnothing D \leq 10 \rightarrow \beta = 0.5$$

$$L > 16 \rightarrow \square = 2 \quad \varnothing D \leq 10 \rightarrow \beta = 1.0$$