



ALUMINUM ELECTROLYTIC CAPACITOR

TYPE LN

LARGE CAPACITANCE WITH SCREW TERMINAL



FEATURES:

- High ripple current, Load life of 2000 hours at 85°C
- for large power source, converter circuit and etc.

SPECIFICATIONS:

Item	Type LN															
Operating Temperature Range	6.3~100V: -40°C to +85°C								160~450V: -25°C to +85°C							
Capacitance tolerance	±20% at 120 Hz, 20°C															
Leakage Current (I=DC Current in μ A max.)	$I \leq 0.02CV$, or 5mA whichever is smaller, measured after 5 minutes application of rated working voltage. Where, C =Rated Capacitance (μ F), V =Rated Working Voltage (V DC)															
Working Voltage (DC)	6.3	10	16	25	35	50	63	80	100	160	200	250	350	400	450	
Surge Voltage (DC)	8	13	20	32	44	63	79	100	125	200	250	300	400	450	500	
Dissipation Factor ($\tan \delta$) max. at 120 Hz	ϕ 35	0.75	0.75	0.60	0.40	0.30	0.25	0.20	0.20	0.15	0.15	0.15	0.15	0.20	0.20	0.20
	ϕ 51	1.00	1.00	0.70	0.50	0.50	0.30	0.25	0.20	0.20	0.15	0.15	0.15	0.20	0.20	0.20
	ϕ 64	1.30	1.30	0.80	0.70	0.60	0.50	0.30	0.25	0.25	0.20	0.20	0.20	0.25	0.25	0.25
	ϕ 77	1.50	1.50	1.00	0.80	0.70	0.60	0.40	0.30	0.25	0.20	0.20	0.20	0.25	0.25	0.25
	ϕ 90	1.50	1.50	1.00	0.80	0.70	0.60	0.40	0.30	0.25	0.20	0.20	0.20	0.25	0.25	0.25
Impedance Ratio at Low Temperature at 120 Hz	W.V.					10~100					160~450					
	Z@ -25°C / Z@ +20°C					--					8					
	Z@ -40°C / Z@ +20°C					12					--					
Load Life Test (after 2000 hours application of the rated voltage, at 85°C)	The capacitor shall meet following limits: Capacitance Change $\leq \pm 20\%$ of initial value Leakage Current \leq specified maximum value Dissipation Factor $\leq 200\%$ of specified maximum value															
Shelf Life Test (after 1000 hours exposing at 85°C without voltage applied)	The capacitor shall meet following limits: Capacitance Change $\leq \pm 20\%$ of initial value Leakage Current \leq specified maximum value Dissipation Factor $\leq 200\%$ of specified maximum value															

Ripple Current vs. Frequency Coefficients:

W.V. / Freq.	60Hz	120Hz	1KHz	10KHz	100KHz
6.3~35V	0.90	1.00	1.05	1.10	1.10
50~100V	0.90	1.00	1.10	1.15	1.15
160~450V	0.80	1.00	1.20	1.40	1.40

Temperature Coefficients:

W.V./ Temp.	$\leq 60^\circ\text{C}$	70°C	85°C
10~ 100V	1.8	1.5	1.0
160~450V	2.2	1.6	1.0