



# ALUMINUM ELECTROLYTIC CAPACITOR

## LARGE CAPACITANCE FOR HIGH TEMPERATURE 105°C USE TYPE LST-- WITH SNAP-IN TERMINAL

### FEATURES:

- Has Character of high temperature, high ripple current and high reliability. Suitable for filter of industrial machines.
- With a snap-in type terminals for inserting into PCB directly to save the cost of using fixture

### SPECIFICATIONS:

Item	Type LST										
Operating Temperature Range	16~100V: -40°C to +105°C					160~400V: -25°C to +105°C					
Capacitance tolerance	±20% at 120 Hz, 20°C										
Leakage Current (I=DC Current in mA max.)	I ≤ 0.03CV, or 3mA whichever is smaller, measured after 5 minutes application of rated working voltage. Where, C = Rated Capacitance (μF), V = Rated Working Voltage (V DC)										
Working Voltage (DC)	16V	25V	35V	50V	63V	100V	160V	200V	250V	350V	400V
Surge Voltage (DC)	20V	32V	40V	63V	79V	125V	200V	250V	300V	400V	450V
Dissipation Factor (tan δ) max. at 120 Hz	W.V.		16V	25V	35V	50~63V	100V	160~250V	350~400V		
	CV ≤ 100,000		0.40	0.35	0.25	0.25	0.20	0.20	0.25		
	CV > 100,000		0.50	0.45	0.35	0.30	0.25	0.20	0.25		
Impedance Ratio at Low Temperature at 120 Hz	W.V.		16V	25V	35V	50V	63~100V	160~250V	350~400V		
	Z@ -25°C / Z@ +20°C		6	6	5	4	3	4	6		
	Z@ -40°C / Z@ +20°C		15	15	10	8	6	4	6		
Load Life Test (after 1000 hours application of the rated voltage, at 105°C)	The capacitor shall meet following limits: Capacitance Change ≤ ±20% of initial value Leakage Current ≤ specified maximum value Dissipation Factor ≤ 200% of specified maximum value										
Shelf Life Test (after 1000 hours exposing at 105°C without voltage applied)	The capacitor shall meet following limits: Capacitance Change ≤ ±20% of initial value Leakage Current ≤ 200% of specified maximum value Dissipation Factor ≤ 200% of specified maximum value										