



# ALUMINUM ELECTROLYTIC CAPACITORS

## LTA series

### \* FEATURES

105\* Miniaturized Long Life

### \* SPECIFICATIONS

Items	Characteristics							
Operating Temperature	-40*~+105*							
Rated Voltage Range	160 ~ 450V.DC							
Capacitance Tolerance	*20% (20*,120Hz)							
Leakage Current(MAX)	160 ~ 450V.DC							
	CV * 1000			CV * 1000				
	I= 0.1CV + 40* A (1 minutes)			I= 0.04CV + 100* A (1 minutes)				
	I= 0.03CV + 15* A (5 minutes)			I= 0.02CV + 25* A (5 minutes)				
I=Leakage Current(* A) C=Nominal Capacitance(* F) V=Rated Voltage(V)								
Dissipation Factor (tan *)	Rated Voltage (V)	160	200	250	350	400	450	MAX (20* 120Hz)
	Tan*	0.20	0.20	0.20	0.24	0.24	0.24	
Low Temperature Stability Impedance Ratio(MAX)	Rated Voltage(V)	160	200	250	350	400	450	MAX (120Hz)
	Z(-25*)/Z(+20*)	3	3	3	6	6	6	
	Z(-40*)/Z(+20*)	4	4	4	8	8	10	
Load Life	After life test at conditions stated in the table below , the capacitors shall meet the following requirement.							
	Capacitance Change	within *25% of the initial value.					Case Dia	Life Time(hrs)
	Dissipation Factor	Not more than 200% of the specified value.					*D*8	3000
	Leakage Current	Not more than the specified value.					*D*10	3000
						*D*13	4000	
Shelf Life	After leaving capacitors under no load of 105* for 2000 hours and applying voltage according to JIS C-5102 4-3, they meet the specified value for load life characteristics listed above.							
Reference Standard	JIS C 5141							

### \* MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

Frequency(Hz)	60(50)	120	500	1K	10K*
Cap(*F)					
0.1~4.7	0.8	1.0	1.20	1.30	1.50
100~1000	0.8	1.0	1.10	1.15	1.20