



ALUMINUM ELECTROLYTIC CAPACITORS

LZF series

* FEATURES

Load Life: 105* 2000 ~ 5000 hours
 Low impedance at 100kHz with selected materials.

* SPECIFICATIONS

Items	Characteristics											
Operating Temperature	-55*~+105*											
Rated Voltage Range	6.3 ~ 100V.DC											
Capacitance Tolerance	*20% (20*,120Hz)											
Leakage Current(MAX)	I= 0.01CV or 3* A whichever is greater.(After 2 minutes) I= Leakage Current (*A) C= Nominal Capacitance(*F) V=Rated Voltage(V)											
Dissipation Factor (tan *)	Rated Voltage (V)	6.3	10	16	25	35	50	63	100	MAX (20* 120Hz)		
	Tan*	0.22	0.19	0.16	0.14	0.12	0.10	0.09	0.08			
When nominal capacitance is over 1000*F, tan *shall be added 0.02 to the listed value with increase of every 1000*F.												
Low Temperature Stability Impedance Ratio	Rated Voltage(V)	6.3	10	16	25	35	50	63	100	MAX (120Hz)		
	Z(-25*)/Z(+20*)	4	3	2	2	2	2	2	2			
	Z(-55*)/Z(+20*)	8	6	4	3	3	3	3	3			
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.								*5,*6.3	2000	3000
										*8,*10	3000	4000
Leakage Current	Not more than the specified value.								*12.5~*18	4000	5000	
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) Cap(*F)	60(50)	120	1K	10K	*100K
0.47~4.7	0.35	0.42	0.60	0.80	1.00
10~33	0.45	0.55	0.75	0.90	1.00
47~330	0.60	0.70	0.85	0.95	1.00
470~1000	0.65	0.75	0.90	0.98	1.00
2200~15000	0.75	0.80	0.95	1.00	1.00