



ALUMINUM ELECTROLYTIC CAPACITORS

LZU series

105* High ripple current, super ULTRA. Low impedance

* FEATURES

Enabled high ripple current by a reduction of impedance at high frequency range
Load Life:105* 2000~3000hours.

* SPECIFICATIONS

Items	Characteristics								
Operating Temperature	-55*~+105*								
Rated Voltage Range	6.3 ~ 50V.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	MAX (20* 120Hz)	
	Tan*	0.22	0.19	0.16	0.14	0.12	0.10		
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(MAX)	Rated Voltage(V)	6.3	10	16	25	35	50	MAX (120Hz)	
	Z(-25*)/Z(+20*)	2	2	2	2	2	2		
	Z(-55*)/Z(+20*)	3	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.						*D=6.3	2000
	Leakage Current	Not more than the specified value.						*D=8	2000
							*D=10	3000	
							*D=13	3000	
Shelf Life	After leaving capacitors under no load of 105* for 1000 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	1K	10K	100K*
Cap(*F)					
22~33	0.45	0.55	0.75	0.90	1.00
39~330	0.60	0.70	0.85	0.95	1.00
390~1000	0.65	0.75	0.90	0.98	1.00
1200~6800	0.75	0.80	0.95	1.00	1.00