

A-05-11-03

REB L88-03(LAP)

LARGE CAN TYPE ALUMINUM ELECTROLYTIC CAPACITORS

LAP SERIES [Self-supporting Board Insertion with Auxiliary Terminals]

FEATURES

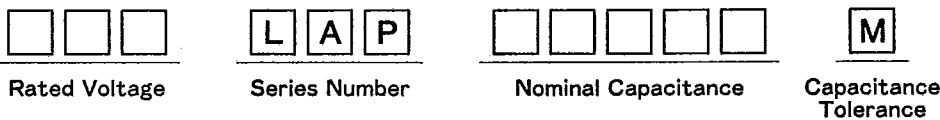
- The "LAP Series" is a self-supporting board insertion type equipped with auxiliary terminals for enhanced vibration withstanding capabilities.
- The auxiliary terminals should be electrically isolated from circuits.



SPECIFICATION TABLE

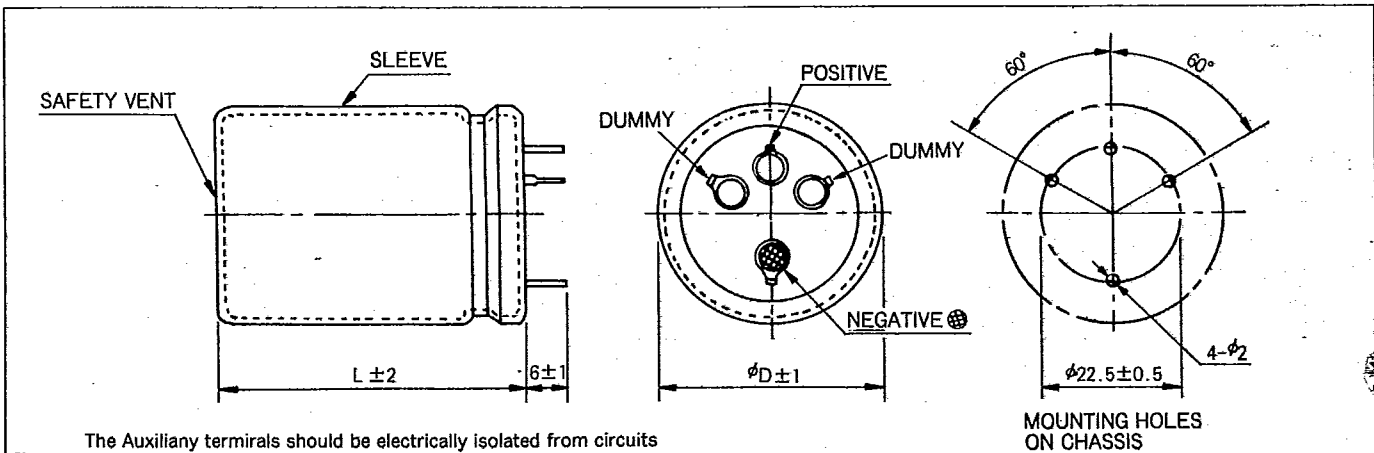
1	OPERATING TEMPERATURE RANGE	-40°C ~ +85°C	-25°C ~ +85°C	
2	RATED VOLTAGE RANGE	10~250V.DC	315~450V.DC	
3	CAPACITANCE RANGE	470~68000µF	330~680µF	
4	CAPACITANCE TOLERANCE(120Hz)	-20% ~ +20% (20°C)		
5	LEAKAGE CURRENT (µA max)	I = 0.03CV or 5mA whichever is smaller I = Leakage current(µA), C = Nominal capacitance (µF), V = Rated voltage(V)		
6	DISSIPATION FACTOR (tan δ)	Shall be less than the table below (20°C, 120Hz)		
		RATED VOLTAGE	CV ≤ 100000	CV > 100000 (A)
		6.3~10	0.50	0.27
		16	0.35	0.22
		25	0.35	0.26
		35~63	0.25	0.21
		80~315	0.20	0.18
350~450	0.25	0.23		
In case of CV > 100000, DF value is calculated by the following formula DF = A + 0.02 × B where A = Value in the above table, B = $\frac{\text{Nominal capacitance } (\mu\text{F})}{1000}$				
7	LIFE TEST AT 85°C AND RATED VOLTAGE	TEST HOURS	1000 hours at max.temperature	
		LEAKAGE CURRENT	Less than the value given in column 5	
		CAPACITANCE CHANGE	Within 20% of the initial value	
		DF(tan δ)	Less than 150% of column 6	
8	OTHERS	Comply with JIS-C-5141 characteristic W		

PART NUMBER



DIMENSIONS

UNIT : mm



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LIST OF STANDARD PRODUCTS

Cap (μ F) \ / \ WV	10		16		25		35	
15000							35×60	4.3
22000					35×60	4.8	35×80	5.7
33000	35×50	4.7	35×60	5.3	35×80	5.9	40×80	6.2
47000	35×60	5.4	35×80	6.3				
68000	35×80	6.6						

Cap (μ F) \ / \ WV	50		63		80		100	
3300							35×50	2.8
4700					35×50	3.3	35×60	3.6
6800			35×50	3.5	35×60	4.0	40×80	4.7
10000	35×60	4.2	35×80	4.8	40×80	5.1		
15000	35×80	5.3	40×80	5.4				
22000	40×80	5.8						

Cap (μ F) \ / \ WV	160		180		200		250	
470							35×50	2.0
680					35×50	2.3	35×60	2.4
1000	35×50	2.0	35×60	2.4	35×60	2.7	35×80	2.8
1500	35×60	2.2	35×80	2.6	35×80	2.9		
2200	35×80	2.4						

Cap (μ F) \ / \ WV	315		350		400		450	
330			35×50	1.1	35×60	1.1	35×60	1.2
470	35×60	1.4	35×80	1.4	35×80	1.4	35×80	1.5
680	35×80	1.9	40×80	1.9	40×80	1.9		

↑ Ripple Current Arms / 120Hz · 85°C
 Case Size $\phi D^{\pm 1} \times L^{\pm 2}$ (mm)

RMS RIPPLE CURRENT COEFFICIENT

1) Temperature Coefficient

Ambient Temperature (°C)	85	65	40&under
Temperature Coefficient	1.0	1.24	1.60

2) Frequency Coefficient

Frequency(Hz)		60	120	500	1k	10k
Frequency Coefficient	10~100WV	0.90	1.00	1.05	1.10	1.15
	160~250WV	0.80	1.00	1.20	1.30	1.50
	315~450WV	0.80	1.00	1.05	1.10	1.15