

LARGE ALUMINUM ELECTROLYTIC CAPACITORS

LM Lug Terminal Type Series

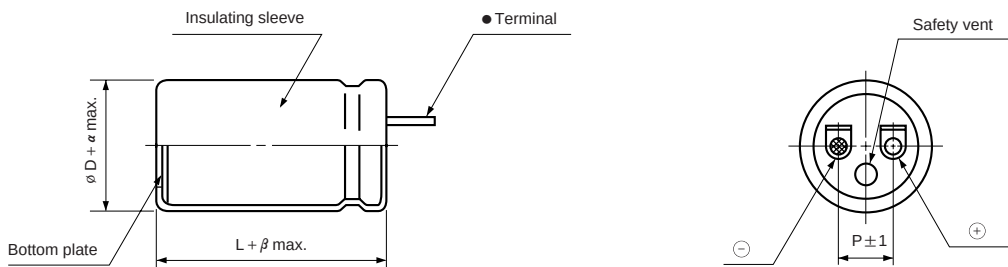
- Lug terminal series
- Suited for use in power supplies and industrial controls



Item	Characteristics					
Operating temperature range	WV ≤ 350 : -40 ~ +85℃, WV > 350 : -25 ~ +85℃					
Capacitance tolerance	± 20% at 120Hz, 20℃					
Leakage current max.	I=3 √CV (μA) (after 5 minutes)					
Dissipation factor max. (at 120Hz, 20℃)	Capacitance > 1000μF : tanδ increases by 0.01 for each 1000μF from below value.					
	WV	16	25	35~63	80~350	400~450
	tanδ	0.35	0.30	0.25	0.20	0.25
Load life (after application of the rated voltage for 2000 hours at 85℃)	Leakage current		Less than specified value			
	Capacitance change		Within ±20% of initial value			
	tanδ		Less than 200% of specified value			
Shelf life (at 85℃)	After 1000 hours no load test, leakage current, capacitance and tanδ are same as load life value.					

● DRAWING

Unit : mm



● TERMINAL

For solder tag

ϕD	≤ 35	40	51
Dimensions			
Code	LC	LA	LD

ϕD	25.4	30	35	40	51
P	10	10	14	18	18
α	1				2
β	2				3

LM series

● DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

μF \ WV	16		25		35		40		50	
3300							25.4 × 30	2.46	25.4 × 30	2.46
4700					25.4 × 30	2.89	25.4 × 40	3.21	25.4 × 40	3.21
6800			25.4 × 30	3.12	25.4 × 40	3.73	25.4 × 50	4.07	25.4 × 50	4.07
10000	25.4 × 30	3.42	25.4 × 40	4.03	25.4 × 50	4.71	25.4 × 60	5.07	30 × 50	5.08
15000	25.4 × 40	4.41	25.4 × 50	5.07	30 × 50	5.81	30 × 60	6.24	35 × 60	6.67
22000	25.4 × 50	5.44	30 × 50	6.15	35 × 60	7.44	35 × 60	7.44	35 × 80	8.34
33000	30 × 50	6.57	35 × 60	7.85	35 × 80	9.18	35 × 80	9.18	40 × 100	10.6
47000	35 × 60	8.19	35 × 80	9.49	40 × 100	11.3	51 × 105	12.5	51 × 105	12.5
68000	35 × 80	9.85	40 × 100	11.6	51 × 105	13.2				
100000	40 × 100	12.0	51 × 105	13.5						
150000	51 × 105	13.9								

μF \ WV	63		80		100		160		200	
330							25.4 × 30	0.92	25.4 × 30	0.92
470							25.4 × 40	1.22	25.4 × 40	1.22
680							25.4 × 50	1.60	25.4 × 50	1.60
1000					25.4 × 30	1.60	25.4 × 60	2.09	30 × 50	2.09
1500			25.4 × 30	1.92	25.4 × 40	2.13	30 × 60	2.69	35 × 60	2.87
2200	25.4 × 30	2.05	25.4 × 40	2.52	25.4 × 50	2.75	35 × 60	3.40	35 × 80	3.81
3300	25.4 × 40	2.73	25.4 × 50	3.29	30 × 50	3.55	35 × 100	5.02	40 × 100	5.27
4700	25.4 × 50	3.50	25.4 × 60	4.14	35 × 60	4.76	40 × 100	6.15	51 × 105	6.80
6800	25.4 × 60	4.38	30 × 60	5.15	35 × 80	6.17	51 × 105	7.86		
10000	30 × 60	5.46	35 × 80	7.08	40 × 100	8.16				
15000	35 × 80	7.48	40 × 80	8.43	51 × 105	10.2				
22000	35 × 100	9.16	51 × 105	11.3						
33000	51 × 105	11.7								

μF \ WV	250		315		350		400		450	
68									25.4 × 30	0.37
100					25.4 × 30	0.51	25.4 × 30	0.45	25.4 × 40	0.50
150			25.4 × 30	0.62	25.4 × 40	0.69	25.4 × 40	0.62	25.4 × 50	0.67
220	25.4 × 30	0.75	25.4 × 40	0.84	25.4 × 50	0.91	25.4 × 50	0.81	30 × 50	0.88
330	25.4 × 40	1.02	25.4 × 50	1.12	25.4 × 60	1.20	30 × 60	1.16	35 × 60	1.24
470	25.4 × 50	1.33	25.4 × 60	1.43	30 × 60	1.54	35 × 60	1.47	35 × 80	1.65
680	30 × 50	1.73	30 × 60	1.86	35 × 60	1.98	35 × 80	1.99	35 × 100	2.18
1000	30 × 60	2.25	35 × 70	2.56	35 × 100	2.96	40 × 100	2.78	51 × 80	2.77
1500	35 × 80	3.22	35 × 100	3.54	40 × 100	3.72	51 × 105	3.69		
2200	35 × 100	4.19	40 × 100	4.40	51 × 105	4.86	← Ripple current (A rms) at 85°C, 120Hz — Case size ϕ D × L (mm)			
3300	51 × 80	5.24	51 × 105	5.82						