

CAPACITOR

Aluminum Electrolytic Capacitor Series

KLS10 - CD11L (ML) Series

Low Leakage Current

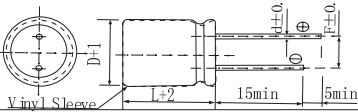
Low leakage current, high stable and reliable performance

D ≥ 8mm equipped with pressure release device.

Be used widely in DC or pulse circuit of colour TV

sets, VCD, audio systems, telecommunications and computers.



Item	Characteristics								
Size and its tolerance 	Ø D	5	6	8	10	12	13	16	18
	F ± 0.5	2.0	2.5	3.5	5.0			7.5	
	d ± 0.1	0.5			0.6			0.8	
Operating Temp. Range	-40℃ ~ +85℃								
Rated Working Voltage	6.3 ~ 100V _{DC}								
Capacitance Range	1.0 ~ 4700 μ F(+20℃, 100 or 120Hz)								
Capacitance Tol.	± 20%, ⁺³⁰ ₋₁₀ %(+20℃, 100 or 120Hz)								
Dissipation Factor tg δ	At +20℃, 100 or 120Hz, for C _R > 1000 μ F, tg δ add 0.02 per another 1000 μ F.								
	U _R (V)	6.3	10	16	25	35	50	63	100
	tgδ	0.24	0.20	0.20	0.14	0.12	0.10	0.09	0.08
Leakage Current I _L	≤ 0.002 · C _R · U _R or 1 μ A(≥ 160V _{DC}) whichever is greater At +20℃ after 2 minutes application of U _R .								
Load Life	At +85℃, after U _R applied for 1000 hours.								
	ΔC	± 20% of initial measured value							
	DF(tg δ)	≤ 150% of initial specified value							
Shelf Life	At +85℃, after shelf for 500 hours(without voltage applied) , then restored for 16 hours at room temp.								
	ΔC	± 20% of initial measured value							
	DF(tg δ)	≤ 150% of initial specified value							
	LC(I _L)	≤ 200% of initial specified value							

Case Size of Standard Products

U _R (V) (µF)	6.3	10	16	25	35	50	63	100
1.0						5×11		5×11
2.2						5×11		5×11
3.3						5×11		5×11
4.7						5×11	5×11	6×11
10			5×11	5×11	5×11	5×11	5×11	6×12
22		5×11	5×11	5×11	5×11	6×11	6×12	8×12
33		5×11	5×11	5×11	6×11	6×12	8×12	10×13
47	5×11	5×11	5×11	6×11	6×12	8×11	8×12	10×17
100	5×11	6×11	6×12	6×12	8×12	10×13	10×15	12×22
220	6×12	6×12	8×12	10×13	8×14	10×20	12×22	16×27
330	6×12	8×12	10×13	10×15	10×17	12×22	12×26	16×31
470	8×12	10×13	10×15	10×17	12×22	13×26	16×27	18×36
1000	10×13	10×17	12×22	13×22	13×26	16×31	16×35	
2200	12×22	13×22	13×26	16×27	16×35	18×41		
3300	13×22	13×26	16×27	16×35				
4700	13×26	16×27	16×31					

Note: We can also provide the capacitors according to the customer's request.