

CAPACITOR

Aluminum Electrolytic Capacitor Series

KLS10 - CD71 (NP) Series

Non-Polar Standard

The polarity can be reversed standard size.
used in circuits what polarity is reversed, such as signal coupling, etc.



Item	Characteristics								
Size and its tolerance 	∅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°C ~ +85°C								
Rated Working Voltage	6.3V ~ 100V _{DC}								
Capacitance Range	0.47 μF ~ 10000 μF								
Capacitance Tol.	±20%, (100Hz, 20°C)								
Dissipation Factor tg δ	At +20°C and 100 or 120Hz, for C _R > 1000 μF, tg δ add 0.02 per another 1000 μF.								
	U _R (V)	6.3	10	16	25	35	50	63	100
	tg δ	0.24	0.24	0.22	0.20	0.16	0.14	0.12	0.10
Leakage Current I _L	≤ 0.03 · C _R · U _R or 5 μA whichever is greater At +20°C, after 2 minutes application of U _R								
Load Life	At +85°C 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°C, 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) C _R (μF)	6.3	10	16	25	35	50	63	100
0.47						5×11		5×11
1						5×11		5×11
2.2						5×11		6×12
3.3						5×11	5×11	6×12
4.7					5×11	5×11	6×12	6×12
10			5×11	5×11	5×11	6×12	6×12	8×12
22		5×11	5×11	6×12	6×12	8×12	8×12	10×16
33	5×11	5×11	5×11	6×12	8×12	8×12	10×13	13×20
47	5×11	5×11	6×12	6×12	8×12	10×13	10×16	13×20
100	6×12	6×12	8×12	8×12	10×16	10×20	13×20	16×25
220	8×12	8×12	10×13	10×16	13×20	13×25	16×25	18×36
330	8×12	10×16	10×16	13×20	13×20	16×25	16×32	
470	10×12	10×16	10×20	13×20	13×25	16×32	18×36	
1000	10×20	13×20	13×25	16×25	16×32			
2200	13×25	16×25	16×32	18×36				
3300	16×25	16×32	18×36					
4700	16×32	18×36						
6800	16×36							

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