

# CAPACITOR

## Aluminum Electrolytic Capacitor Series

### KLS10 - AK10 (AN) Series

#### Axial Non-polar

Specially designed for use in speaker dividing net work for low ripple current.



Item	Characteristics									
Size and its tolerance 	$\varnothing D$ $L \pm 0.2$ $d \pm 0.1$	±0.5			±1.0					
		6	8	10	12	13	16			
	16	16	19	19	21	23	26	31	32	
Operating Temp. Range	-40°C ~ +85°C									
Rated Working Voltage	50 ~ 100V									
Capacitance Range	1.0 ~ 100 µF									
Capacitance Tol.	±20%, ±10%(100Hz)									
Dissipation Factor tg δ	UR(V)		50V				100V			
	100Hz		tg δ ≤ 0.12				tg δ ≤ 0.10			
Leakage Current IL	≤ 0.03 · CR · UR + 4 µA (After 2 minutes application of UR)									
Load Life	The following specifications shall be satisfied when the capacitors are restored to 25°C after rated Dc voltage applied for 1000 hours at 85°C During this test the rated Dc voltage shall be reversed on the capacitor every 125 hours: $\Delta C \leq \pm 20\%$ of initial value, $tg \delta \leq 150\%$ of specified value, $I_L \leq$ specified value.									

#### Case Size of Standard Products

CR (µF) \ UR (V)	50V	100V
1 µF	6 × 16	6 × 16
1.5 µF	6 × 16	6 × 16
2.2 µF	6 × 16	6 × 16
3.3 µF	6 × 16	8 × 16
4.7 µF	6 × 16	8 × 16
6.8 µF	6 × 16	8 × 19
10 µF	8 × 16	10 × 19
15 µF	8 × 19	10 × 21
22 µF	10 × 19	10 × 24
33 µF	12 × 23	12 × 26
47 µF	12 × 26	13 × 31
68 µF	12 × 26	13 × 31
100 µF	13 × 31	16 × 32

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

#### Permissible Ripple Current IR (mA at 20°C, 100Hz):

	1 µF	1.5 µF	2.2 µF	3.3 µF	4.7 µF	6.8 µF	10 µF	15 µF	22 µF	33 µF	47 µF	68 µF	100 µF
50V	23	28	28	35	41	50	64	88	106	136	162	215	271
100V	23	28	35	43	52	70	88	119	145	184	220	291	391