

Aluminum Electrolytic Capacitor Series

KLS10 - CD11Z (SZ) Series

Middle and High Vol Tage

Medium and high voltage, excellent frequency, used in energy-saving electronic ballasts, switch regulated power supplies ect.



Item	Characteristics					
Size and its tolerance 	φ D	± 0.5		± 1.0		
		6.3	8	10	22	16
	F ± 0.5	2.5	3.5	5		7.5
	d ± 0.1	1.5	0.6	0.6		0.8
Operating Temp. Range	-40°C ~ +85°C					
Rated Working Voltage	160 ~ 450V					
Nominal Capacitance Range	1 ~ 220 μ F					
Capacitance Tol.	± 20%, ^{+30%} , _{-10%}					
Dissipation Factor tg δ (20°C, 100Hz)	U _R (V)	≤ 250			≥ 350	
	tg δ	0.15			0.20	
Leakage Current I _L	I ≤ 0.03 · C _R · U _R + 10 μ A (Reading after 1 minute)					
Temperature Characteristics (impedance ratio at 100Hz)	U _R (V)	160			> 160	
	Z-25°C / Z+20°C	≤ 4			≤ 7	
Load Life	At +85°C after applying rated voltage for 1000 hours and then resumed 16 hours:					
	ΔC	≤ ± 15% of initial measured value				
	DF(tg δ)	≤ 150% of initial specified value				
Shelf Life	At +85°C after storage for 500 hours and then resumed 16 hours:					
	ΔC	≤ ± 15% of initial measured value				
	DF(tg δ)	≤ 120% of initial specified value				
	LC(I _L)	≤ 200% of initial specified value				

Case Size of Standard Products

$\frac{D \times L}{C_R}$ (mm / μF)	160	200	250	350	400	450
1	6.3 × 12	6.3 × 12	8 × 12	8 × 12	10 × 12	10 × 12
2.2	8 × 12	8 × 12	10 × 12	10 × 16	10 × 16	10 × 20
3.3	10 × 12	10 × 12	10 × 16	10 × 16	10 × 20	12 × 20
4.7	10 × 12	10 × 16	10 × 16	10 × 20	12 × 20	12 × 25
10	10 × 16	10 × 20	12 × 20	12 × 25	12 × 25	16 × 25
22	12 × 20	12 × 25	13 × 25	16 × 25	16 × 30	16 × 35
33	12 × 25	16 × 25	16 × 25	16 × 35		
47	16 × 25	16 × 25	16 × 30	19 × 40		
100	16 × 35	19 × 40	19 × 40			
220	19 × 40					

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