

DIMENSIONS(mm)

■ Chip Type

FOR APPROVAL

Fig.1 ΦD=4~10mm

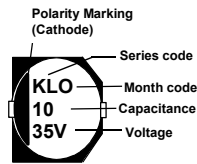
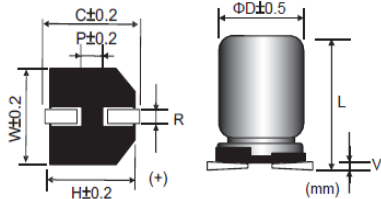
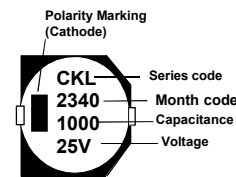


Fig.2 ΦD≥12.5mm



Size	ΦD	L	W	H	C	R	P	Vmax
4*6	4.0	6±0.3	4.3	4.3	5.1	0.5~0.8	1.0	0.3
5*6	5.0	6±0.3	5.3	5.3	5.9	0.5~0.8	1.4	0.3
6.3*5.4	6.3	5.4±0.3	6.6	6.6	7.2	0.5~0.8	2.1	0.3
6.3*7.7	6.3	7.7±0.3	6.6	6.6	7.2	0.5~0.8	2.1	0.3
8*10	8.0	10±0.5	8.3	8.3	9.0	0.7~1.1	3.2	0.3
10*10	10.0	10±0.5	10.3	10.3	11.0	0.7~1.3	4.5	0.3
12.5*13.5	12.5	13.5±0.5	13.0	13.0	13.7	1.1~1.4	4.5	0.4
16*16.5	16.0	16.5±0.5	17.0	17.0	18.0	1.4~1.8	6.4	0.4
18*16.5	18.0	16.5±1.0	19.0	19.0	20.0	1.4~1.8	6.4	0.4

Customer:	Ozdisan	Aluminum Electrolytic Capacitors CKL Series	Su'scon
			Code

Electric Characteristics:

Ozdisan	Su'scon	Cap. (uF)	Cap. Tol. (%)	Rate Volt. (V-DC)	Surge Volt. (V-DC)	Oper. Temp. (°C)	Nominal Case Size D*L(mm)	Leakage Current Max (uA)	D.F. MAX (%)	R.C 100KHz (mA rms)	IMP 100KHz at 25°C (Ω)Max	Load Life (hours)
P/N	P/N											
	CKL035M100D06PE99V00R	10	±20	35	40.3	105	5*6	3.5	13	155	0.800	5000

REMARKS:

1. Leakage Current Test: 6.3V ~100V at 20℃ for 2 minutes ;

2. Operating temperature: 6.3V~100V -40℃~ +105℃ ;

3. Dissipation Factor Test: at 20℃, 120 Hz.

4. Capacitance Test: at 20℃, 120 Hz.

5. Ripple Current Test: at 105℃, 100KHz ;

6. Load Life: 5000 hours, with application of rated voltage at 105℃.

Capacitance Change: Within ±30% of initial value;

tanδ: 300% or less of initial specified value;

Leakage Current: Initial specified value or less;

7. Shelf Life: The following specifications shall be satisfied when the capacitors are restored to 20℃ after exposing them for 1000 hours 105℃ without voltage applide. Before the measurement, the capacitor shall be preconditioned by applying voltage according to them 4.1 of JIS C5101-4.

Capacitance Change: Within ±30% of initial value;

tanδ: 300% or less of initial specified value;

Leakage Current: Initial specified value or less;

8. when have characteristic requested: Load life & shelf life test and etc. , judgment standard reference to our catalogue.

9.Remarks: Su'scon Part Number with suffix code "A" is specially offered for automotive project, which meets AEC-Q200 standard.

●SPECIFICATION

Leakage Current 洩漏電流	After 2 minutes application of rated voltage,leakage current is not more than 0.01cv or 3(uA),whichever is greater.							
Dissipation Factor 散逸因素（損失角） (tan δ)	Measurement Frequency:120Hz. Temperature:20℃							
	Rate Voltage(V)	6.3	10	16	25	35	50	100
	tan δ （MAX）	0.32	0.28	0.22	0.16	0.13	0.12	0.12
Low Temperature Stability 低溫特性	Measurement Frequency:120Hz.							
	Rate Voltage(V)	6.3	10	16	25	35	50	100
Impedance Ratio(MAX)	Z(-25℃)/Z(20℃)	4	3	2	2	2	2	3
阻抗比率(MAX)	Z(-40℃)/Z(20℃)	10	7	5	3	3	3	6

●Frequency Coefficient of Permissible Ripple Current

Frequency (Hz) Capacitance (μF)	120 ≤ F < 1K	1K ≤ F < 10K	10K ≤ F < 100K	100K ≤ F
4.7~33	1.00	1.20	1.30	1.45
>33	1.00	1.10	1.20	1.30

The endurance of capacitors is reduced with internal heating produced by ripple current at the rate of halving the lifetime with every5℃ rise.

When long life performance is required in actual use, the rms ripple current has to be reduced.

Production date:2024.12.27