

DIMENSIONS(mm)

Chip Type

FOR APPROVAL

Fig.1 ΦD=4~10mm

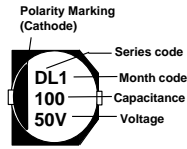
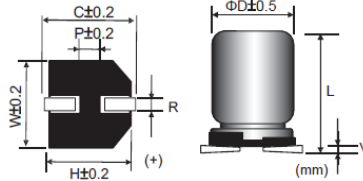
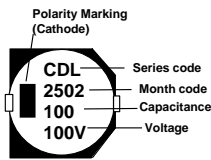


Fig.2 ΦD≥12.5mm



Size	ΦD	L	W	H	C	R	P	Vmax
4*5.4	4.0	5.4±0.3	4.3	4.3	5.1	0.5~0.8	1.0	0.3
5*5.4	5.0	5.4±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
10*12.5	10.0	12.5±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
12.5*16	12.5	16±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
18*21.5	18.0	21.5±1.0	19.0	19.0	20.0	1.4~1.8	6.4	0.4

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

Electric Characteristics:													
Ozdisan	Su'scon	Cap.	Cap.	Rate	Surge	Oper.	Nominal	Leakage	D.F.	R.C	ESR	Load	
P/N	P/N	(uF)	Tol.	Volt.	Volt.	Temp.	Case Size	Current	MAX	100KHz	100KHz	Life	
			(%)	(V-DC)	(V-DC)	(°C)	D*L(mm)	Max (uA)	(%)	(mA rms)	at 25°C (Q)Max	(hours)	
	CDL050M101G10PKKKV00R	100	±20	50	57.5	105	10*10	50	14	400	0.300	5000	
	CDL050M221G10PKKKV00R	220	±20	50	57.5	105	10*10	110	14	670	0.180	5000	

REMARKS:

- Leakage Current Test:** 6.3V ~100V at 20°C for 2 minutes ;
- Operating temperature:** 6.3V~100V -55°C ~ +105°C ;
- .Dissipation Factor Test:** at 20°C, 120 Hz.
- Capacitance Test:** at 20°C, 120 Hz.
- Ripple Current Test:** at 105°C, 100K Hz ;
- Load Life:** 5000 hours, with application of rated voltage at 105°C.
- 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°C after exposing them for 1000 hours 105°C 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)	Measurement Frequency:120Hz. Temperature:20°C											
(tan δ)	Rate Voltage(V)	6.3	10	16	25	35	50	63	80	100		
	tan δ (MAX)	0.30	0.26	0.22	0.16	0.14	0.14	0.08	0.08	0.07		
Low Temperature Stability 低溫特性	Measurement Frequency:120Hz.											
Impedance Ratio(MAX)	Rate Voltage(V)	6.3	10	16	25	35	50	63	80	100		
阻抗比率(MAX)	Z(-25°C)/Z(20°C)	4	3	2	2	2	2	2	2	2		
	Z(-55°C)/Z(20°C)	8	5	4	3	3	3	3	3	3		

●Frequency Coefficient of Permissible Ripple Current

Frequency (Hz)	120 ≤ F < 1K	1K ≤ F < 10K	10K ≤ F < 100K	100K ≤ F
Capacitance (μF)				
≤ 33	0.35	0.70	0.90	1.00
33 ~ 150	0.40	0.85	0.92	1.00
>150	0.60	0.85	0.95	1.00

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

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