



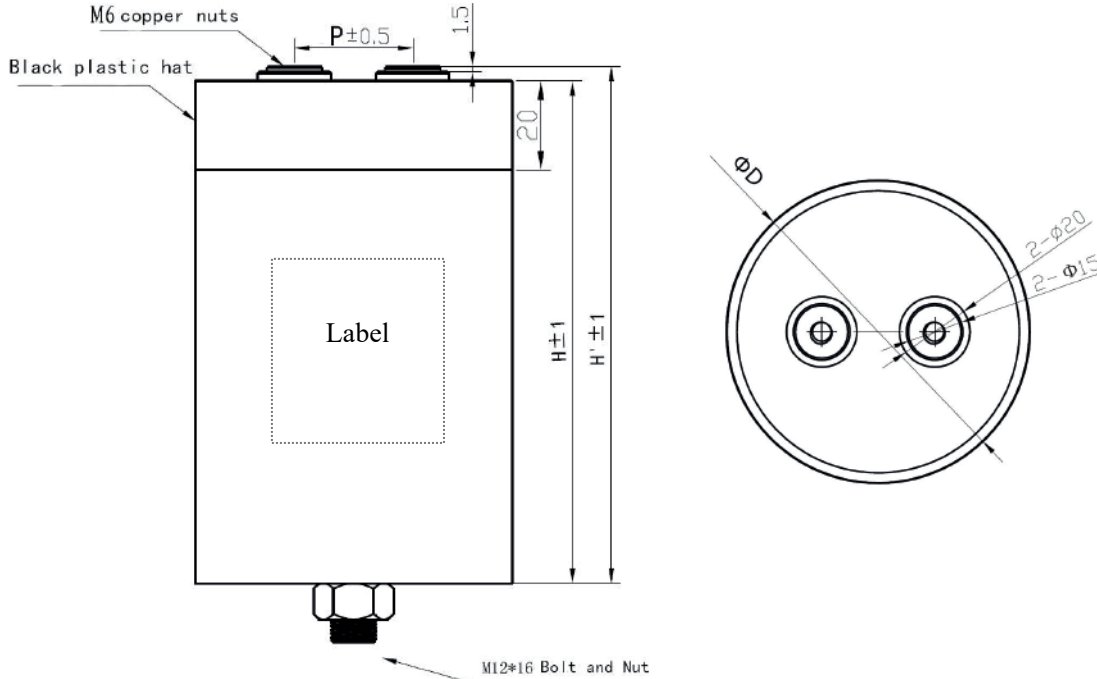
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# Specification

## 承認書

### LL series DC Capacitor

900VDC340  $\mu$ F Ordering code:347K901D51301



Unit:mm	Pitch(P)	Height(H)	Height' (H' )	Diameter( $\Phi D$ )
	32	105	109	86

### 技術參數 Technical specification

Items	Contents
電容量 Capacitance	340 $\mu$ F
容量偏差 Capacitance tolerance	$\pm 10\%$ (K)
額定電壓 Rated Voltage	900V.DC
有效電流 Current (RMS)	70A @60 $^{\circ}$ C;50A @85 $^{\circ}$ C
脈衝電流 Current(Peak)	3400A $Dv/Dt > 10V/\mu s$
過壓運行時間 Over-load operating	1.1Un(No over 30% of operating time)
等效串聯電阻 ESR	$\leq 0.63m\Omega$ 1KHz
損耗角正切值 Dissipation Factor	$tg\delta \leq 0.0015$ (@ 20 $^{\circ}$ C 100Hz )
電感量 Ls	$\leq 35nH$
絕緣電阻 Insulation Resistance	$R \times C \geq 5000s$ (100V, 60s)
運行溫度 Operating Temperature( $T_w$ )	-40~105 $^{\circ}$ C*
儲存溫度 Storage Temperature	-40~85 $^{\circ}$ C

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預期壽命 Work life	>100,000 Hours ( $\Delta C \leq 15\%$ , $T_w \leq 85^\circ\text{C}$ )
濕度 Humidity RH	0~95%
失效率 Failure Rate	$\leq 100\text{Fit}$
保護等級 Protection level	P0
爬電距離 Creepage Distance	$\geq 17\text{mm}$ IEC60664-1:2007
電氣間隙 Electric Clearance	$\geq 17\text{mm}$ IEC60664-1:2007
<b>Physical and test parameters</b>	
極間耐壓 Test voltage between terminals	1350V.DC 10s @25°C
極殼耐壓 Test voltage between terminal/case	3500V.AC 10s @25°C
外殼材料 Encloser material	Aluminum case
內部絕緣材料 Internal insulation	Epoxy resin(Dry type)
電介質 Dielectric medium	Metallized polypropylene film
最大扭矩 Max. Torque of terminal	6Nm
冷卻方式 Cooling mode	Nature cooling
海拔高度 Altitude	$\leq 4000\text{m}$
阻燃性 Fire resistance	UL94 V-0

\* +85°C to +105°C (case): decreasing factor 1.5% per °C for Un(dc)

\* +85°C 到 105°C (热点温度): 需要对工作电压进行 1.5%/°C 降额

### 引用標準 Reference standard

IEC61071-2007(GB/T17702-2013)

### 包裝與運輸 Packing and shipment

產品的包裝設計適應於各種運輸方式，但請避免雨雪影響和機械損傷。

For the packing box with capacitor, any kinds of shipment are permitted.

But the sprinkle of rain or snow and mechanical damage must be avoided.

### 標識 Mark

The capacitor is marked by laser print or stamp or adhesive label,

With following information:

1. rated capacitance value(340 $\mu\text{F}$ )
2. Rated voltage(900V.DC)
3. Tolerance on rated capacitance(K  $\pm 10\%$ )
4. Part number of this capacitor(347K901D51301)
5. Year and week of manufacture(MFR/DATE)





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### ■ Cautions and warnings

- (1) The capacitor have not discharge resistors between terminals,so the energy stocked in the capacitor may be lethal,before handle capacitors please discharge through resistor, short-circuit the capacitor is not permit.
- (2) Check thickness of the connections/terminals periodically.
- (3) Do not use or store capacitors in corrosive atmosphere,especially where chloride gas,sulfide gas,acid,alkali,salt or the like are present.In the dusty environment regular maintenance and cleaning especially of the terminals is required to avoid conductive path between phases.
- (4) In case of dents of more than 5mm depth or any other mechanical damage,capacitors must not be used at all.
- (5) Don't hesitate to contact us for any doubts and more detail information.

