SPECIFICATION

APPROVAL SHEET



CUSTOMER:

PRODUCTS: LL series - DC-link capacitor

<u>CATEGORY:</u> 650µF 600Vdc <u>ORDERING CODE:</u> 657J601D51301

CUSTOMER CODE:

DATE: Oct 26th, 2022 (Ver 0)

承認印/APPROVAL STAMP					
供 方 /VENDER		客戶/CUSTOMER			
Design	Audit	OGEO WAS THE PROPERTY OF THE P			
YJ.Z Oct 26 th , 2022	GC.Y Oct 26 th , 2022	Contract *			

Specification Revisions:

Revision Level	Revision Change	Date	Initials

CABO ELECTRONICS(FOSHAN) LIMITED

TEL: 86-757-8879 3288 FAX: 86-757-8619 7918 info@cabonix.com www.cabonix.com

A Hi-Reliability capacitor brand of China NFIDENT

Failure Rate ≤50FIT | 100% Tested Before Delivery

技術圖紙請勿外傳!該產品引用了多項自主技術專利, CABO 保留追究一切技術圖紙外流導致損失的權利.

Confidential and invention patents are contained in CABO solution, disclosure or distribution of this specification is prohibited.

SPECIFICATION

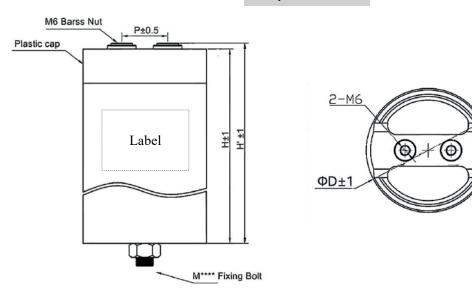


承認書

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LL series - DC-link Capacitor

650µF600Vdc Ordering code: 657J601D51301



Diameter (D)	Height (H)	Height'(H')	Pitch (P)	M****
86	100	105	32	M12*16

Dimensions in mm, unspecified dimensions tolerance ±1mm

LL series are aluminum can capacitor with PU and epoxy sealed. Special designed for dc link and filtering application. Can be used into industrial control, VFD, solar inverter, power supply etc.

技術參數 Technical specification

Electrical Characteristics		
Capacitance (C _n)	650µF	
Capacitance tolerance	±5%(J)	
Rated voltage (U _n)	600Vdc	
RMS current (I _{rms})	65A	
Peak current (I _p)	5.2kA dv/dt>10V/µs	
ESR	≤1.9mΩ @1kHz	
Dissipation factor	Tan θ≤0.002 @100Hz	
ESL	≤40nH	
Insulation Resistance (R _i)	R _i x C ≥10000s	
Operating Temperature (T _w)	-40~+105°C*	
Work life	>100,000Hours (U _n , θ _{h.s} ≤70°C)	
Humidity (RH)	0~95%	
Altitude	<4000m	
Protection level	PO ONFIDENTIA	

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Mechanical and test parameters			
Test voltage - terminals (Utt)	900Vdc 10s		
Test voltage - terminal/case (Utc)	3000Vac 10s		
Enclosure material	Aluminum shell		
Electrode terminals	2*M6 nuts		
Cooling mode	Nature cooling		
Fire resistance	UL 94 V-0		
Max torque on terminals	3.5 N.M (M6)		
Max.Torque of bolt	8.0 N.M (M12)		

^{+85°}C to +105°C: decreasing factor 1.5% per °C for Un(dc)

引用標準 Reference standard

IEC61071-1/2, IEC60664-1:2007, JB/T8168-1999, UL810, UL94

包裝與運輸 Packing and shipment

The capacitors are packed into a cardboard box, any kinds of shipment are permitted. But the sprinkle of rain or snow and mechanical damage must be avoided.

標識 Marking

The capacitor is marked by laser print or stamp or adhesive label, With following information:

- 1.Rated capacitance value(650µF)
- 2.Rated voltage(600Vdc)
- 3. Tolerance on rated capacitance(J: ±5%)
- 4.Part number(Code for ordering 657J601D51301)
- 5.Trace code and serial number(MFR-WEEK-SN)



657J601D51301 MFR-WEEK-SN

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提醒和警示 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) All the data measured at Room Temperature(R.T. 23±8 ℃) unless otherwise specified.
- (5) CABO is not responsible for any damages, which are caused by the improper installation and application, Sofore using the capacitor in any application, please read carefully this technical data-sheet.

(6) Specifications are subject to change without prior notice. Don't hesitate to contact us for any doubts and more detail information.

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