# SPECIFICATION

# APPROVAL SHEET



CUSTOMER:

PRODUCTS: S series -IGBT Snubber capacitor

**CATEGORY:** 2.2μF 1000Vdc **ORDERING CODE:** 225J102D21201

CUSTOMER CODE:

<u>DATE:</u> Sep 21<sup>th</sup>, 2017 (Ver 0)

承認印/APPROVAL STAMP * CHAPPEND OF THE PROPERTY					
供方 /VENDER		容量 /GUSTOMER 65			
Design	Audit	Contract			
	WQ.J Sep.21th, 2017	OP THE CH KONTO BY 180			
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#### Specification Revisions:

<u> </u>					
Revision Level	Revision Change	Date	Initials		
Ver 1.0	WTH42*33*45-+42*30*45 , P28-+25mm	220714	X.J.		

# CABO ELECTRONICS(FOSHAN) LIMITED

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A Hi-Reliability capacitor brand of China (FIDERT)

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**

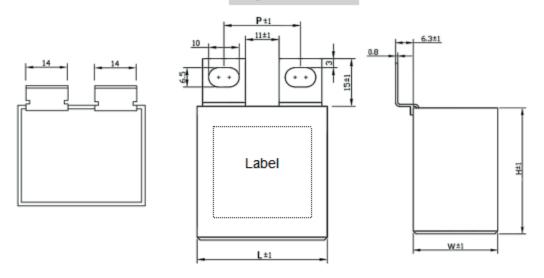


承認書

CABONIX

# S series - IGBT Snubber Capacitor

# 2.2µF1000Vdc Ordering code:225J102D21201



L(Length)	W(Width)	H(Height)	P(Pitch)	Installing range
42	30	45	25	21-29 (M6)

Dimensions in mm, unspecified dimensions tolerance ±1mm

# 技術參數 Technical specification

Electrical Characteristics				
Capacitance (C <sub>n</sub> )	2.2µF			
Capacitance tolerance	±5%(J)			
Rated voltage (U <sub>n</sub> )	1000Vdc			
RMS current (I <sub>rms</sub> )	25A			
Pulse current (Ip)	1100A dv/dt>500V/µs			
ESR	<2.0mΩ			
Dissipation factor	Tan θ≤0.0008 @10kHz			
ESL	≤25nH			
Insulation Resistance (R <sub>i</sub> )	R <sub>i</sub> x C >5000s			
Operating Temperature (T <sub>w</sub> )	-40~+85℃			
Work life	100,000 Hrs @Un, ≤70°C			
Humidity (RH)	0~90%			
Altitude	<4000m			
Protection level	P0			
Mechanical and test parameters				
Test voltage - terminals (Utt)	1500Vdc 10s			
Enclosure material	Plastic shell			
Sealing materials	Epoxy resin (Dry type)			
Dielectric medianti LEHHUM OTO A	Metallized PP film, self-healing			
Cooling mode	Nature cooling			
Fire resistance	UL 94 V-0			

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CABO Electronics(Foshan)Ltd.



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承認書

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#### 引用標準 Reference standard

IEC61071-1/2, IEC60664-1:2007, UL94, CABO standard

## 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(2.2µF)
- 2.Rated voltage(1000Vdc)
- 3. Tolerance on rated capacitance(J: ±5%)
- 4.Part number(Code for ordering: 225J102D21201)
- 5.Trace code and serial number(MFR-WEEK-SN)



2.2µF ±5% 1000Vdc 225J102D21201

> MFR-WEEK-SN WWW.CABONIX.COM

#### 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. Before 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.



肯博電子(佛山)有限公司 CABO Electronics(Foshan)Ltd.

