

SPECIFICATION

APPROVAL SHEET



CUSTOMER:
PRODUCTS: CBB21 series DC Capacitor
CATEGORY: 6.8μF 250Vdc
ORDERING CODE: 685K251D11101
CUSTOMER CODE:
DATE: Jul 11th, 2022 (Ver 0)

| 承認印/APPROVAL STAMP | |
|---------------------------------|---------------------------------|
| 供方 /VENDER | 客戶 /CUSTOMER |
| Design | Audit |
| J.L Jul.11 th , 2022 | X.J Jul.11 th , 2022 |

Specification Revisions:

| Revision Level | Revision Change | Date | Initials |
|----------------|-----------------|------|----------|
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CABO ELECTRONICS(FOSHAN) LIMITED

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A Hi-Reliability capacitor brand of China

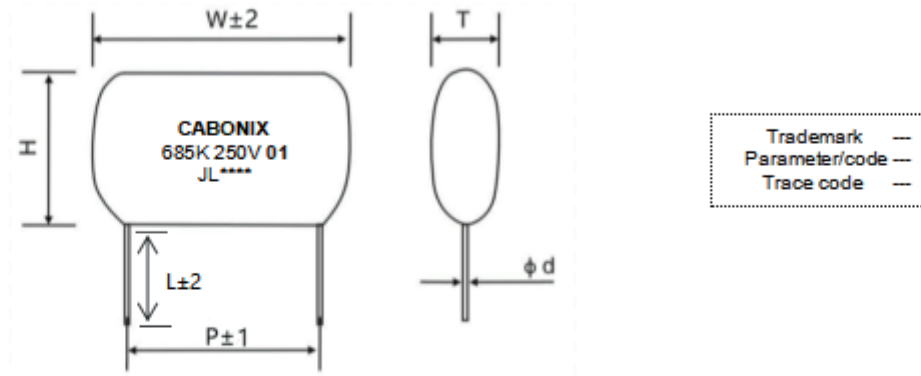
Failure Rate ≤50FIT | 100% Tested Before Delivery



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.

CBB21 series polypropylene film Capacitor

6.8 μ F250Vdc Ordering code:685K251D11101



| 幾何尺寸/Dimensions(mm) | | | | | |
|---------------------|----|----|------|-----|----|
| W | H | T | P | Φd | L |
| 30 | 25 | 18 | 27.5 | 0.8 | 22 |

Dimensions in mm, unspecified dimensions tolerance ± 1 mm

技術參數 Technical specification

| Electrical Characteristics | |
|---------------------------------|--|
| Capacitance (C_n) | 6.8 μ F |
| Capacitance tolerance | $\pm 10\%$ (K) |
| Rated voltage (U_n) | 250Vdc |
| Operating Temperature (T_w) | -40~+85 $^{\circ}$ C |
| Withstand Voltage | 500Vdc / 2S |
| Dissipation factor | Tan $\theta \leq 0.001$ @1kHz |
| Insulation Resistance (R_i) | $C_n \leq 0.33\mu F \geq 30000m\Omega$ (100VDC, 60s) $C_n > 0.33\mu F \geq 7500S$ (100VDC, 60s) |
| Thickness of Epoxy | > 0.3mm |
| Phosphorus Content | 0 μ g |
| Fire resistance | UL 94 V-0 |
| RoHs compliant | Yes |



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引用標準 Reference standard

GB/T 10190-88 IEC 60384-16

特點及用途 Features and Applications

The capacitor is encapsulated with epoxy resin, It have stable electrical and self-healing performance. Used in high voltage, impulse, ignition, resonance circuit. It can be widely used for LED light, communication device, audio, energizer and other appliances.

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.

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.



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VER. 0