

# SPECIFICATION

## APPROVAL SHEET



**CUSTOMER:**

**PRODUCTS:**

MKMJ series MD Pulse Capacitor

**CATEGORY:**

195 $\mu$ F2200Vdc

**ORDERING CODE:**

207J222D51603

**CUSTOMER CODE:**

**DATE:**

Aug 29<sup>th</sup>, 2022 (Ver 0)

承認印/APPROVAL STAMP		
供方 /VENDER		客戶 /CUSTOMER
Design	Audit	

### 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**

Failure Rate  $\leq$ 50FIT | 100% Tested Before Delivery

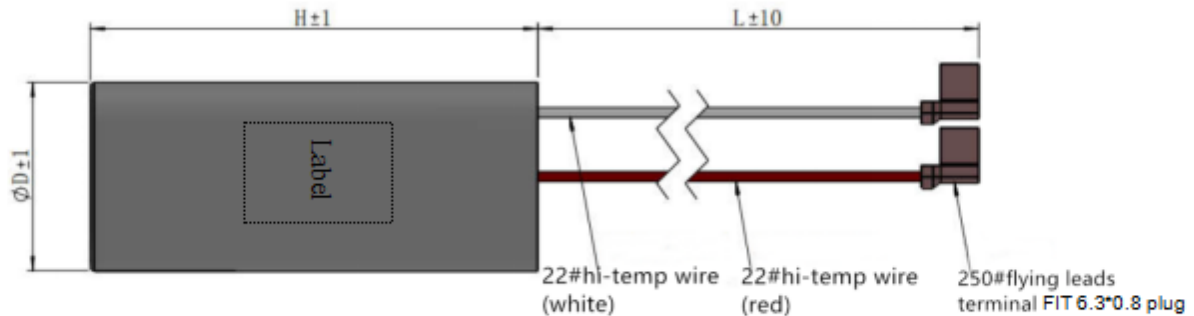


技術圖紙請勿外傳！該產品引用了多項自主技術專利，CABO 保留追究一切技術圖紙外流導致損失的權利。

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

### MKMJ series MD Pulse Capacitor

**195 $\mu$ F2200VDC** Ordering code:207J222D51603



Diameter( $\Phi D$ )	Height(H)	Wire Length (L)
65	118	260

Dimensions in mm, unspecified dimensions tolerance  $\pm 1$ mm

### 技術參數 Technical specification

Electrical Characteristics	
電容量 Capacitance ( $C_n$ )	195 $\mu$ F @100Hz
額定能量 Rated Energy	472J
容量偏差 Capacitance tolerance	$\pm 5\%$ (J)
額定電壓 Rated Voltage ( $U_n$ )	2200V.DC
脈衝電流 Peak Current ( $I_{peak}$ )	117A ( $Dv/Dt > 0.6V/\mu s$ )
損耗角正切值 Dissipation Factor	$tg\delta \leq 0.01$ @ 100Hz
絕緣電阻 Insulation Resistance ( $R_i$ )	$R \times C \geq 5000s$ @100V, 60s
運行溫度 Operating Temperature ( $T_w$ )	-25~55 $^{\circ}$ C
儲存溫度 Storage Temperature ( $T_s$ )	-25~70 $^{\circ}$ C
濕度 Humidity (RH)	0~93%
預期壽命 Expected Lifetime (C/D cycles)	$\geq 2.0E+4$ shots @50 $\Omega$ load,2.2kV
海拔高度 Altitude	< 4600m
Mechanical and Test Parameter	
極間耐壓 Test voltage between terminals	2310V.DC 10s
極殼耐壓 Test voltage between terminal/case	3000V.AC 2s @ 50Hz
脈衝測試 Pulse discharge test	50 shots @ 50 ohm, $U_n$
外殼材料 Enclosure material	Plastic case (PBT)
灌注材料 Sealing materials	Epoxy resin(Dry type)
引出線材 Leading wire	UL3239,22AWG,10kVdc,200 $^{\circ}$ C silicone wire
引出端子 Leading terminals	250# flying female connector(Fit 6.3*0.8 plug)
電介質 Dielectric medium	Metallized polypropylene film
阻燃性 Fire resistance	UL94 V-0

適用於工業控制、能源機、心臟除顫器等醫療設備的直流濾波和儲能放電場合。

MKMJ series MD pulse capacitors special designed for dc filtering and pulsed discharge application. Can be used into industrial control, defibrillator, X-ray, energizer etc.

肯博電子(佛山)有限公司

CABO Electronics(Foshan)Ltd.

Tel// +86 757 8879 3288

Fax//+86 757 8619 7918

www.cabonix.com



VER. 0

**引用標準 Reference standard**

IEC61071-1/2 IEC60601-2-4 CABO internal standard

**包裝與運輸 Packing and shipment**

The capacitors are packed into a cardboard box, its FAST-ON terminals are shorted, 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 label, With following information:

1. Rated capacitance value(195 $\mu$ F)
2. Rated voltage(2200Vdc)
3. Tolerance on rated capacitance(J  $\pm$ 5%)
4. Part number of this capacitor(207J222D51603)
5. Trace code(MFR-DATE)
6. QR code(Data Matrix):Part number\_trace code (e.g. 207J222D51602\_CG2216)
7. HV danger warning label

**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 $\pm$ 8 $^{\circ}$ C) 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.