

# SPECIFICATION

## APPROVAL SHEET

**CUSTOMER:****PRODUCTS:**

BKMJ series cylindrical PFC capacitors

**CATEGORY:**

25/30/40/50 kVar 450Vac

**ORDERING CODE:**

0.45-25/30/40/50-3-C02

**CUSTOMER CODE:****DATE:**June 06<sup>th</sup>, 2022 (Ver 0)

承認印/APPROVAL STAMP			
供方 /VENDER		客戶 /CUSTOMER	
Design	Audit		
JJ.C June.06 <sup>th</sup> , 2022	D.H June.06 <sup>th</sup> , 2022		

### 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

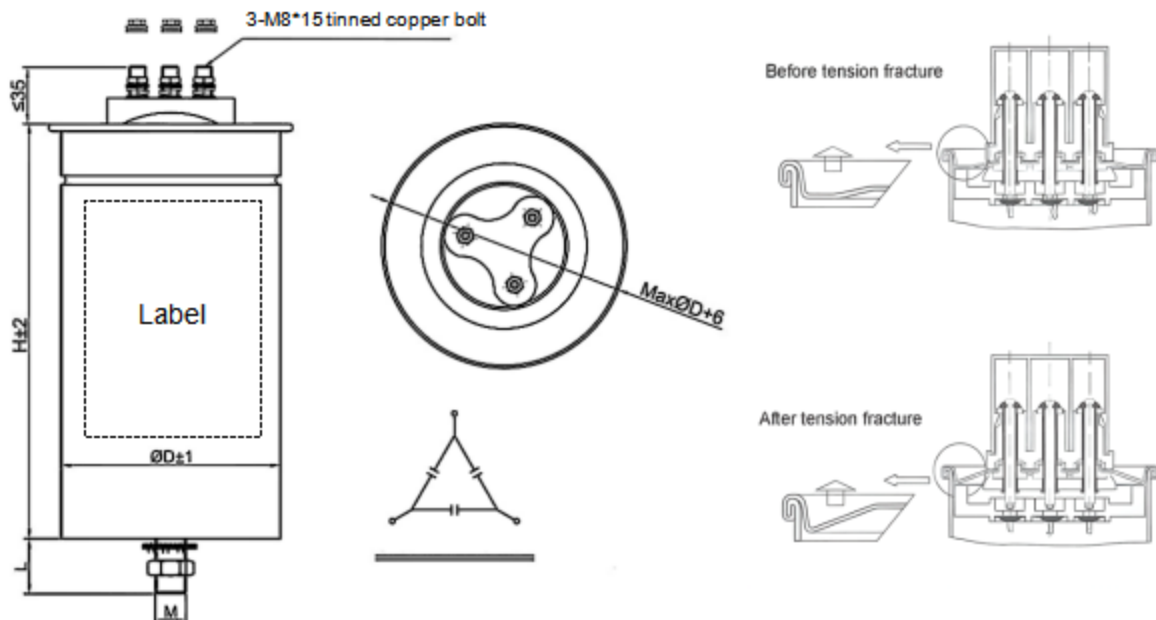
### A Hi-Reliability capacitor brand of China

Failure Rate ≤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。  
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### BKMJ series Cylindrical LV power factor correction Capacitors



Cn (uF)	Rated Power $Q_n$ (kVar)	Rated Voltage $U_n$ (Vac)	Rated Current $I_n$ (A)	Diameter $\varnothing D$ (mm)	Height H(mm)	M*L (mm)	Ordering code
3*131.2	25.0	450	3*32.1	116	240	M16*25	0.45-25-3-C02
3*157.2	30.0	450	3*38.5	116	260	M16*25	0.45-30-3-C02
3*209.6	40.0	450	3*51.3	136	290	M16*25	0.45-40-3-C02
3*262.1	50.0	450	3*64.1	136	290	M16*25	0.45-50-3-C02

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

BKMJ-C series low voltage shunt capacitor of the self-healing type round capacitor is use for correcting the power factor of 50Hz and 60Hz low voltage power system device. It is suit for compensation on the spot and concentrate auto compensation, can reduce reactive loss, improve voltage quality, is a energy conservation product. The product is according to IEC831-1/2.

### 技術參數 Technical specification

Electrical Characteristics	
Capacitance tolerance	-5%~+10% @100Hz
Overload Current max.	1.3I <sub>n</sub>
Overload Voltage max.	1.1U <sub>n</sub>
Rated frequency (F <sub>R</sub> )	50 Hz
Dissipation Factor	tgδ≤0.0020 @ 100Hz
Operating Temperature	-40℃~+50℃
Storage Temperature	-25℃~+70℃
Humidity RH	≤95%
Maximum working altitude	≤2000m

Mechanical and test parameters		
Test voltage between terminals		2.15Urms @ 10s
Test voltage between Case&Terminal		3000Vac @ 10s 50Hz
Dielectric medium		Metallized PP film, self-healing
Terminals		3-M8*15mm tinned copper bolts
Case Materials		Aluminum can
Max.torque of Terminals/bottom bolt		6.5N.m / 12N.m
Sealing materials		Pollution-free black jelly, Dry type*
Safety Level		P2,Overpressure disconnecter
Failure Rate		50Fit @1.0Un, +50°C
Fire resistance		UL94 V-0

\*Dry type During rated operating temperature range

### 引用標準 Reference standard

IEC61071 ; IEC60831 ; CABO enterprise standard

### 包裝與運輸 Packing and shipment

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 Label

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

With following information:

- 1.Rated capacitance value(3x\*\*uF )
- 2.RMS voltage(450Vac)
- 3.Rated power(\*\*kVar)
- 4.Part number of this capacitor(0.45-\*\*-3-C02)
- 5.Lot code of manufacture,trace code(MFR/DATE, eg:FT2112)

<b>Power Capacitor</b> BKMJ-C 0.45-**-3-C02 3x**μF -5/+10% SH Un450Vac 50/60Hz **kvar at 50Hz 3/-kV -25/50°C In=**A Dry type non PCB 1.3In(Max)	
IEC 60831	
Over pressure disconnecter	
www.cabonix.com	FT2221

### 提醒和警示 Caution and Warnings

- (1) Caution the installing direction:
- (2) At least 30mm is necessary at the top space after the capacitors installed.
- (3) Pay attention to the application when the altitude over 2000m, it will affect the insulation and cooling of the capacitor.
- (4) 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.
- (5) All the data measured at Room Temperature(R.T. 23±8°C) unless otherwise specified.
- (6) CABO is not responsible for any damages, which are caused by the improper installation and application.
- (7) Built-in discharge resistor, less than 75V after disconnection within 3 minutes.
- (8) 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.

Tel// +86 757 8879 3288

Fax//+86 757 8619 7918

www.CABONIX.com

