

SPECIFICATION

APPROVAL SHEET

CUSTOMER:

PRODUCTS:

AKMJ series AC Capacitor (3 phase)

CATEGORY:

3x50 μ F 750Vac

ORDERING CODE:

157J751A51501

CUSTOMER CODE:

DATE:

Oct 19th, 2022 (Ver 0)

承認印/APPROVAL STAMP			
供方 /VENDER		客戶 /CUSTOMER	
Design	Audit		
JJ.C Oct.19 th , 2022	D.H Oct.19 th , 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 \leq 50FIT | 100% Tested Before Delivery

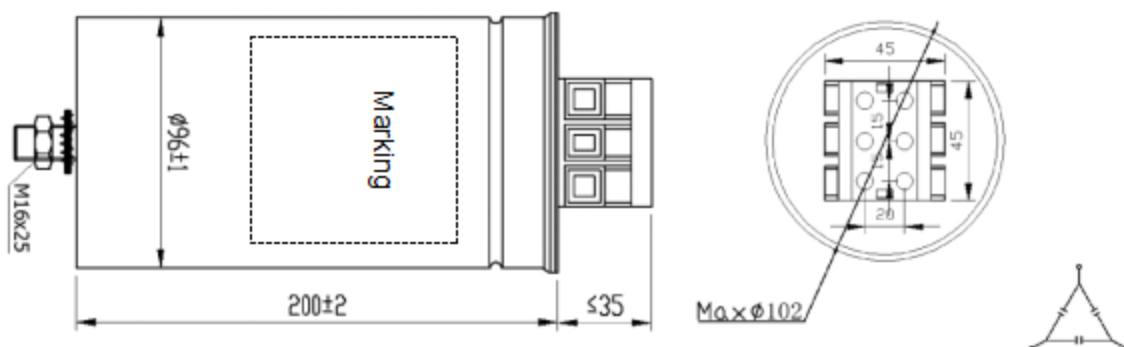


技術圖紙請勿外傳！該產品引用了多項自主技術專利，CABO保留追究一切技術圖紙外流損失的權利。

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

AKMJ series 3 phase AC Capacitors

3x50 μ F750Vac Ordering code:157J751A51501



Capacitance (μ F)	U_{nac} (Vac)	U_{rms} (Vac)	Diameter (Φ D) (mm)	Height (H) (mm)	Inner Connection
3x50	750	530	96	200	Delta

Dimensions in mm, unspecified dimensions tolerance ± 1 mm

技術參數 Technical specification

Electrical Characteristics	
Capacitance (C_n)	3x50 μ F @100Hz
Capacitance tolerance	$\pm 5\%$ (J) @100Hz
Rated Voltage (U_n)	750 Vac
RMS Voltage (U_{rms})	530 Vac
Rated Current (I_{max})	3x32 A
Peak Current (I_{pk})	1.7k A
Surge Current (I_s)	5.1k A
Dissipation Factor	$tg\delta \leq 0.002$ @ 100Hz
Insulation Resistance (R_i)	$R_i \cdot C \geq 5000s$ @100V, 1min
Operating Temperature (T_w)	-40~+85 $^{\circ}$ C *
Storage Temperature (T_s)	-40~+85 $^{\circ}$ C
Humidity (RH)	0~85%
Lifetime expectancy	$\geq 100,000$ Hrs @0.8 U_{rms} , $\theta_{hotspot} \leq 70^{\circ}$ C
Altitude	≤ 2000 m
Internal connect	Delta Δ
Mechanical and test parameters	
Test voltage - terminals (U_{tt})	2.15 U_{rms} 10s
Test voltage - terminal/case (U_{tc})	4000Vac 10s @50Hz
Shell material	Aluminum shell
Dielectric medium	Metallized polypropylene film
Max torque terminals/bottom bolt	2N.m / 10N.m
Safety design	Over pressure disconnecter inside
Fire resistance	UL 94 V-0

* +70 $^{\circ}$ C to +85 $^{\circ}$ C: decreasing factor 1.5% per $^{\circ}$ C for $U_{rms}(ac)$

引用標準 Reference standard

IEC61071-1/2 , UL810 , UL94 , CABO Internal Standard

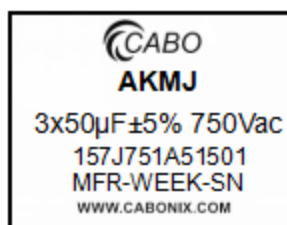
包裝與運輸 Packing and shipment

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(3x50 μ F)
- 2.Rated voltage(750Vac)
- 3.Tolerance on rated capacitance(J : \pm 5%)
- 4.Part number(Code for ordering 157J751A51501)
- 5.Trace code and serial number(MFR-WEEK-SN)

**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 \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.