

SPECIFICATION

APPROVAL SHEET

CUSTOMER:
PRODUCTS: AKMJ series AC Capacitor (3 phase)
CATEGORY: 3x75μF 750Vac
ORDERING CODE: 237J751A51501
CUSTOMER CODE:
DATE: Jun 15th, 2023 (Ver 0)

承認印/APPROVAL STAMP			
供方 /VENDER		客戶 /CUSTOMER	
Design	Audit		
JJ.C Jun.15 th , 2023	D.H Jun.15 th , 2023		

Specification Revisions:

Revision Level	Revision Change	Date	Initials

CABO ELECTRONICS(FOSHAN) LIMITED

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A Hi-Reliability capacitor brand of China

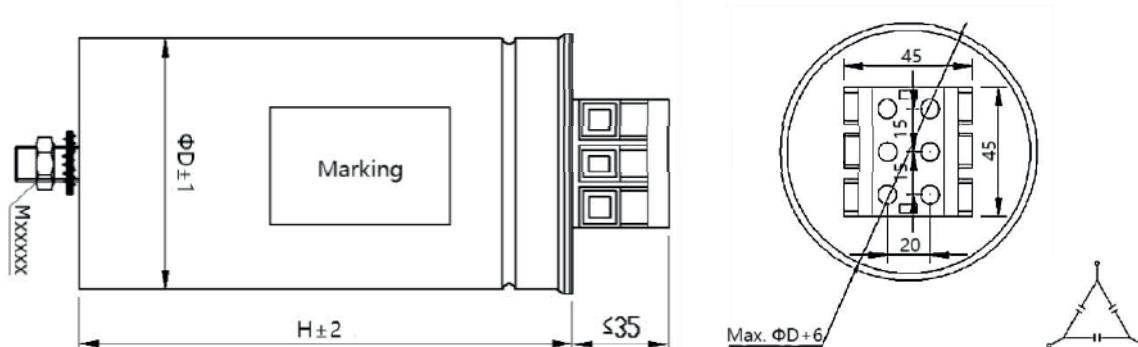
Failure Rate ≤100FIT | 100% Tested Before Delivery



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.

AKMJ series 3 phase AC Capacitors

3x75μF750Vac Ordering code:237J751A51501



Capacitance (μF)	U _{nac} (Vac)	U _{rms} (Vac)	ΦD (mm)	H (mm)	Mxxxxx (mm)	Inner Connection
3x75	750	530	116	215	16x25	Delta Δ

Dimensions in mm, unspecified dimensions tolerance ±1mm

技術參數 Technical specification

Electrical Characteristics	
Capacitance (C _n)	3x75 μF @100Hz
Capacitance tolerance	±5%(J) @100Hz
Rated Voltage (U _n)	750Vac
RMS Voltage (U _{rms})	530Vac
Rated Current (I _{max})	3x45A
Peak Current (I _{pk})	2.2k A
Surge Current (I _s)	6.6k A
Dissipation Factor	tgδ≤0.002 @ 100Hz
Equivalent Series Resistance	≤3x3.2mΩ @10kHz
Insulation Resistance (R _i)	R _i *C≥5000s @100V, 1min
Operating Temperature (T _w)	-40~+85 °C
Storage Temperature (T _s)	-40~+85 °C
Life expectancy	≥100,000 Hrs @0.8U _{rms} , θ _{hotspot} ≤70 °C
Altitude	≤2000m
Mechanical and test parameters	
Test voltage - terminals(U _{tt})	2.15U _{rms} 10s
Test voltage - terminal/case (U _{tc})	3800Vac 10s @50Hz
Shell material	Aluminum shell
Dielectric medium	Metallized PP film, self-healing
Safety design	Over pressure disconnecter inside
Max torque terminals/bottom bolt	2.5N.m/10N.m
Fire resistance	UL 94 V-0

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



引用標準 Reference standard

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

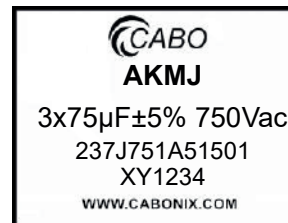
包裝與運輸 Packing and shipment

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 (3x75 μ F)
2. Rated voltage (750Vac)
3. Tolerance on rated capacitance (J : \pm 5%)
4. Part number (Code for ordering 237J751A51501)
5. Trace code and serial number (MFR-WEEK-SN, eg: XY1234)

**提醒和警示 Cautions and Warnings**

- (1) Caution the installing direction:
- (2) Overpressure disconnector inside, 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) 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.
- (5) Check thickness of the connections/terminals periodically.
- (6) 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.
- (7) Maximum permissible voltages, Maximum within one day: (1.1U_n, 30% of on-load duration) (1.15U_n, 30min) (1.2U_n, 5min) (1.3U_n, 1min) (1.5U_n, 100ms).
- (8) All the data measured at Room Temperature(R.T. 23 \pm 8 $^{\circ}$ C) unless otherwise specified.
- (9) 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.
- (10) Specifications are subject to change without prior notice. Don't hesitate to contact us for any doubts and more detail information.

