

SPECIFICATION

APPROVAL SHEET

CUSTOMER:
PRODUCTS: AKMJ series AC Capacitor
CATEGORY: 150 μ F625Vac
ORDERING CODE: 157J631A51401
CUSTOMER CODE:
DATE: May 07th, 2022 (Ver 0)

承認印/APPROVAL STAMP	
供方 /VENDER	客戶 /CUSTOMER
Design	Audit
JJ.C May.07 th , 2022	D.H May.7 th , 2022

Specification Revisions:

Revision Level	Revision Change	Date	Initials

CABO ELECTRONICS(FOSHAN) LIMITED

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A Hi-Reliability capacitor brand of China

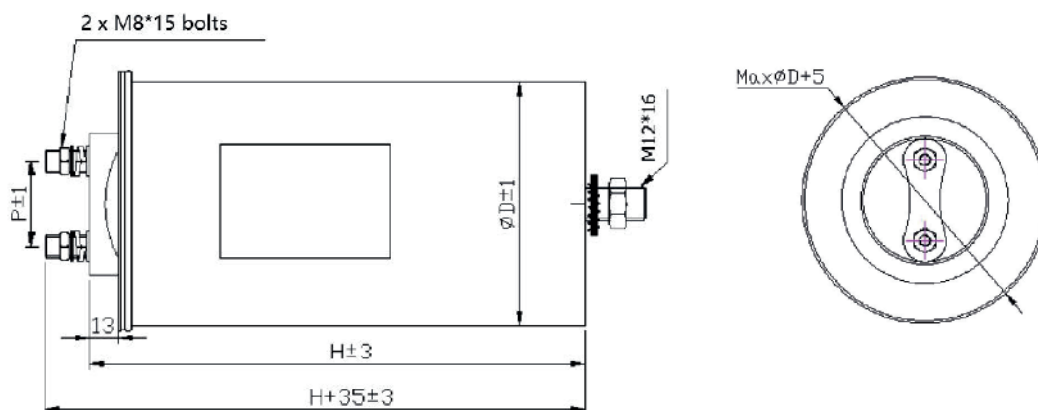
Failure Rate \leq 50FIT | 100% Tested Before Delivery

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! The specification involved self-owned technologies patents, all rights reserved by CABO.



AKMJ series AC filter Capacitor

150 μ F625Vac Ordering code:157J631A51401



Capacitance (μ F)	U_{nac} (Vac)	U_{rms} (Vac)	Diameter (ΦD) (mm)	Height (H) (Vac)	Pitch (P) (mm)
150	625	440	86	185	30

Dimensions in mm, unspecified dimensions tolerance ± 1 mm

技術參數 Technical specification

Electrical Characteristics	
電容量 Capacitance (C_n)	150 μ F @100Hz
額定頻率 Rated frequency	50/60Hz(other frequency available on request)
容量偏差 Capacitance tolerance	$\pm 5\%$ (J)
額定電壓 Rated Voltage (U_n)	625 Vac
有效電流 RMS current (I_{rms})	70A
損耗角正切值 Dissipation Factor	$tg\delta \leq 0.0018$ @ 100Hz
雜散電感 ESL	≤ 80 nH
等效串聯電阻 ESR	≤ 6 m Ω @10kHz
絕緣電阻 Insulation Resistance (R_i)	$R_i \times C \geq 3000$ s
運行溫度 Operating Temperature (T_w)	-25~+70 $^{\circ}$ C
儲存溫度 Storage Temperature (T_s)	-40~+85 $^{\circ}$ C
濕度 Humidity (RH)	0~95%
預期壽命 serve time	$\geq 50,000$ Hrs @ $\theta_{hotspot} \leq 55^{\circ}$ C
海拔高度 Altitude	<2000m
Mechanical and test parameters	
極間耐壓 Test voltage between terminals (U_{tt})	1.5 U_{rms} 5s
極殼耐壓 Test voltage between terminal/case(U_{tc})	3000Vdc 30s



SPECIFICATION

承認書

CABONIX

外殼材料 Enclosure material	Aluminum shell
引出電極 Electrode terminals	M8*15 bolts with installing parts
灌注材料 Sealing materials	Epoxy resin (Dry type)
電介質 Dielectric medium	Metallized PP film, self-healing
安全等級 Safety grade	Over pressure disconnecter inside
阻燃性 Fire resistance	UL 94 V-0
最大扭矩 Max torque of terminal / bottom bolt	6.5 N.M / 10 N.M

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(150μF)
- 2.Rated voltage(625Vac)
- 3.Tolerance on rated capacitance(J : ±5%)
- 4.Part number(Code for ordering 157J631A51401)
- 5.Trace code and serial number(MFR-WEEK-SN)



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.

