

SPECIFICATION

APPROVAL SHEET

CUSTOMER:**PRODUCTS:**

RS series - Resonant power capacitor

CATEGORY:0.33 μ F 1.5kVac**ORDERING CODE:**

334J152A31301

CUSTOMER CODE:**DATE:**May 27th, 2022 (Ver 0)

承認印/APPROVAL STAMP			
供方 /VENDER		客戶 /CUSTOMER	
Design	Audit		
XH.Q May.25 th , 2022	WQ.J May.25 th , 2022		

Specification Revisions:

Revision Level	Revision Change	Date	Initials

CABO ELECTRONICS(FOSHAN) LIMITED

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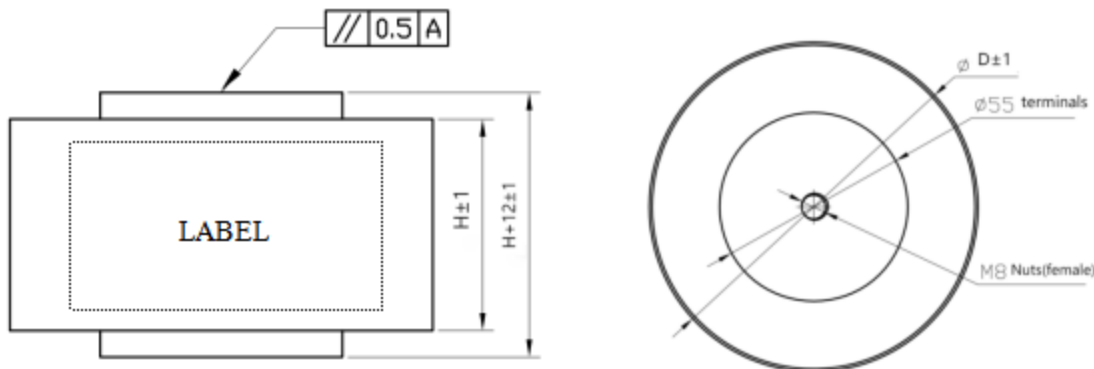
A Hi-Reliability capacitor brand of China

Failure Rate ≤ 50 FIT | 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.

RS series - Resonant Power Capacitor

0.33 μ F1.5kVac Ordering code:334J152A31301



Diameter (D)	Height (H)
48	96

Dimensions in mm, unspecified dimensions tolerance ± 1 mm

技術參數 Technical specification

Electrical Characteristics	
Capacitance (C_n)	0.33 μ F
Capacitance tolerance	$\pm 5\%$ (J)
Rated voltage (U_n)	1.5k Vac
Rated frequency(F_n)	50k Hz
RMS current (I_{rms})	300A
Surge current (I_s)	330A
Pulse current change rate	$dv/dt > 1000V/\mu s$
Dissipation factor	$\tan \theta \leq 0.001 @ 10kHz$
ESL	$\leq 25nH$
ESR	$\leq 20m\Omega @ 1kHz$
Insulation Resistance (R_i)	$R_i \times C \geq 5000s 100V 60s$
Operating Temperature (T_w)	$-40 \sim +85^\circ C$
Humidity (RH)	0~95%
Altitude	$< 1000m$
Mechanical and test parameters	
Test voltage - terminals (U_{tt})	6000Vdc 10s
Test voltage - terminal/case (U_{tc})	4000Vac 10s
Enclosure material	Aluminum shell
Sealing materials	Epoxy resin (Dry type)
Electrode terminals	Copper block with M8 nut holes
Dielectric medium	Metallized PP film, self-healing
Cooling mode	Force water conduction cooling
Fire resistance	UL 94 V-0
Max torque on terminals	6.5 N.M

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VER. 0

引用標準 Reference standard

IEC61071-1/2 , IEC60664-1:2007, JB/T8168-1999 ,UL810 , UL94

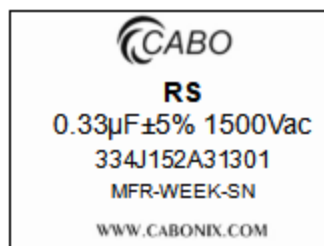
包裝與運輸 Packing and shipment

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(0.33 μ F)
- 2.Rated voltage(1500Vac)
- 3.Tolerance on rated capacitance(J : \pm 5%)
- 4.Part number(Code for ordering 334J152A31301)
- 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.