

DR2023-00266

March 1, 2023

Dear Customers

RELIABILITY TEST DATA

TEST ITEM

- 1) High Temperature Storage Test
- 2) High Temperature High Humidity Storage Test
- 3) Dielectric Voltage Test
- 4) Vent Test

Products

- A. Snap-in Capacitor which attached P.C. bottom plate(made by Sumitomo Bakelite Co., LTD.)
- B. Snap-in Capacitor which attached P.C. bottom plate(made by RP TOPLA LIMITED)



 **RUBYCON CORPORATION**

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CHARGE	HIROKI YANAGIYA
	<i>H. Yanagiya</i>
CHECK	
APPROVAL	KOICHI WADA
	<i>K. Wada.</i>

High Temperature Storage Test

Sample

- A. Snap-in Capacitor which attached P.C. bottom plate(made by Sumitomo Bakelite Co., LTD.)
- B. Snap-in Capacitor which attached P.C. bottom plate(made by RP TOPLA LIMITED)





















Testing Method

Ambient Temperature : 125°C
 Time : 1000hrs without loading

Number of samples

n=5

Results

Sample		1	2	3	4	5
A	Before					
	After					
B	Before					
	After					

Cracks are not detected.

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High Temperature High Humidity Storage Test

Sample

- A. Snap-in Capacitor which attached P.C. bottom plate(made by Sumitomo Bakelite Co., LTD.)
- B. Snap-in Capacitor which attached P.C. bottom plate(made by RP TOPLA LIMITED)





















Testing Method

Ambient Temperature : 85°C Relative Humidity : 85%RH
 Time : 1000 hrs without loading

Number of samples

n=5

Results

Sample		1	2	3	4	5
A	Before					
	After					
B	Before					
	After					

Cracks are not detected.

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Dielectric Voltage Test

Sample

- A. Snap-in Capacitor which attached P.C. bottom plate(made by Sumitomo Bakelite Co., LTD.)
- B. Snap-in Capacitor which attached P.C. bottom plate(made by RP TOPLA LIMITED)

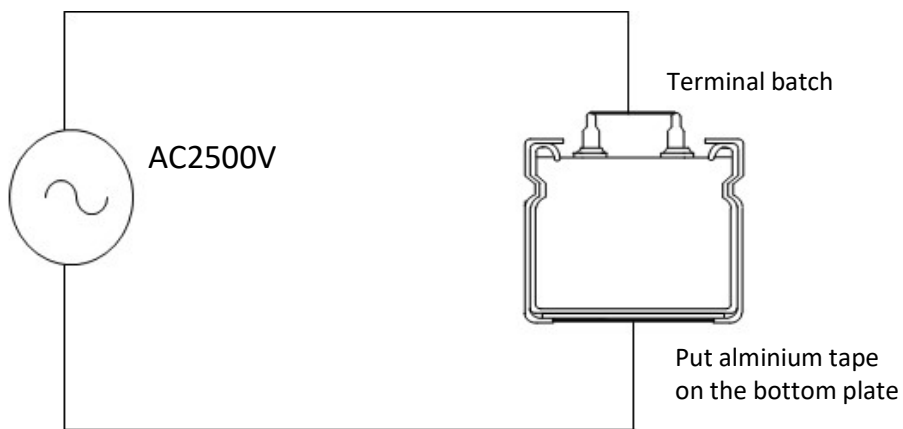
Testing Method

A.C.2500 voltage shall be applied between the terminal batch of capacitor and bottom plate by a circuit of Fig-1.

Number of samples

n=5

Fig-1



Results

No.	A	B
1	OK	OK
2	OK	OK
3	OK	OK
4	OK	OK
5	OK	OK

Vent Test

Sample

- A. Snap-in Capacitor which attached P.C. bottom plate(made by Sumitomo Bakelite Co., LTD.)
- B. Snap-in Capacitor which attached P.C. bottom plate(made by RP TOPLA LIMITED)

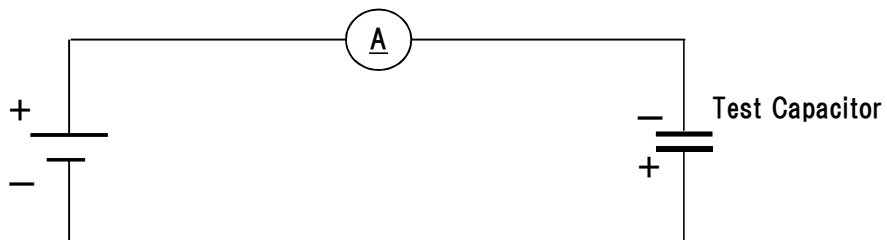
Testing Method

Capacitor shall be subjected to D.C. current given in the table below at reverse polarity for 10A.

Number of samples



n=5

Fig-2



Results

No.	A	B
1	OK	OK
2	OK	OK
3	OK	OK
4	OK	OK
5	OK	OK

	A	B
Vent		

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