

# RENESAS TECHNICAL UPDATE

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Product Category	Package	Document No.	TN-WRP-A015A/E	Rev.	1.00
Title	Standardization of moisture-proof aluminum bags and addition of drying agent specifications (expansion of target products)		Information Category	Packing Change	
Applicable Product	All products using the target parts below	Lot No.	Reference Document		

We thank you for your loyal patronage.

Following the merger of NEC Electronics Corp. and RENESAS Technology Corp. to RENESAS Electronics Corp., we would like to change and add specifications of some packaging parts and materials as follows for the purpose of standardization.

## 1. Scope of change and addition

This technical update applies to moisture-proof aluminum bags and drying agents used for all the moisture-proof packages. Outsourced products may be out of the scope.

## 2. Reason for change

This technical updates aims to standardize materials.

## 3. Applicable period

The change will apply to products in order of shipment from RENESAS in July 2012. However, the applicable period may slightly shift depending on current stocks.

Please be noted the old and new specifications may coexist in your plant until stocks run out.

## 4. Details of change and addition

### 4.1 Changes of aluminum moisture-proof bag

#### 4.1.1 Target aluminum moisture-proof bags and specification before and after the change

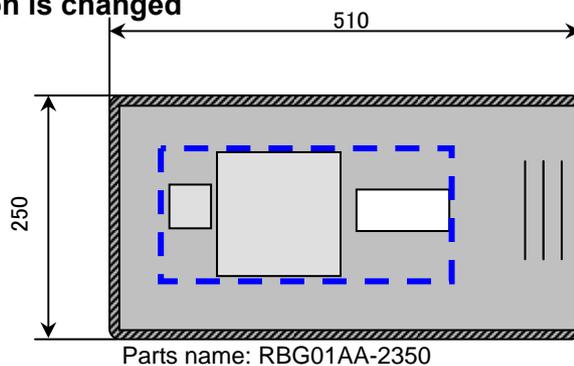
(1) The size and specifications of the moisture-proof aluminum bags will be changed. (Detail about the size are shown in the table and figures below.)

(2) Instructions about opening a bag will be standardized and attached to the moisture-proof aluminum bags.

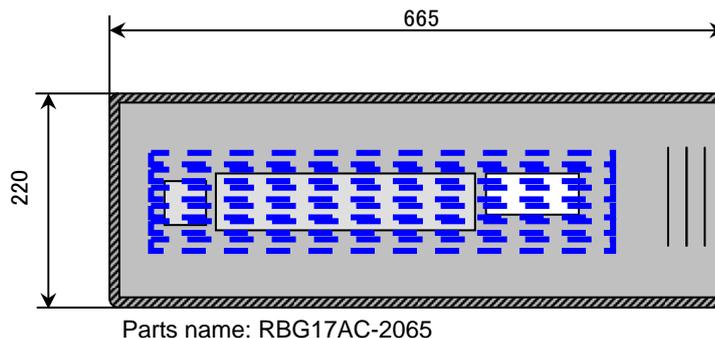
	<Before change>			<After change>			
	Parts type	Size [mm]	Instruction (print)	Parts type	Size [mm]	Instruction (print)	Figure
(mainly) for JEDEC tray	DRYPAC K-29	250×510	Old instructions written	RBG01AA-2350	250×510		Fig. [A-1]
	BG-024	240×510	None				
	BG-039	270×510	None				
For magazine	DP-020-1	140×670	None	RBG17A C-2065	220×665	New instructions written	Fig. [A-2]
	DP-021-1	200×670	None				
	DRYPAC K-31	220×665	Old instructions written				
For Ø330 reel	BG-018-1	415×500	None	RBG05AB-3949	415×500		Fig. [A-3]
	DRYPAC K-32	470×510	Old instructions written				
For Ø180 reel	BG-038	240×280	None	RBG13AB-2327	250×280		Fig. [A-4]

Overview after the specification is changed

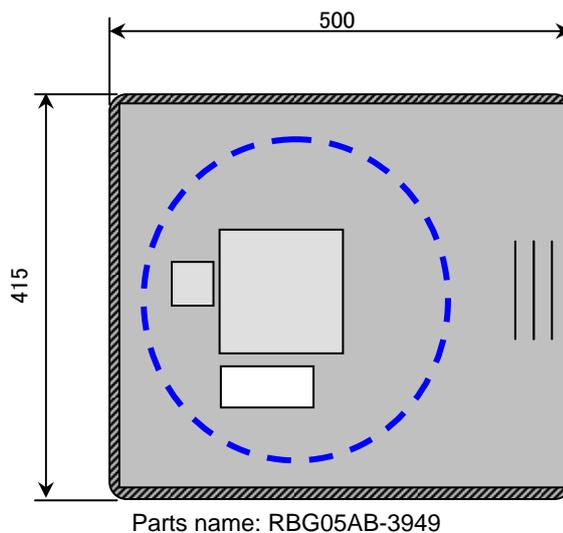
[A-1]  
For a tray



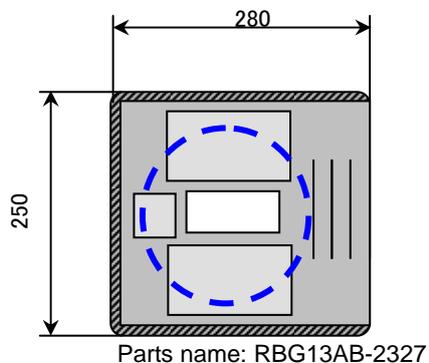
[A-2]  
For a magazine



[A-3]  
For  $\phi 330$



[A-4]  
For  $\phi 180$



**4.1.2 Difference in performance**

There is no difference in moisture-proof performance, duration, and absence of substances with environmental burden between the old and new specifications.

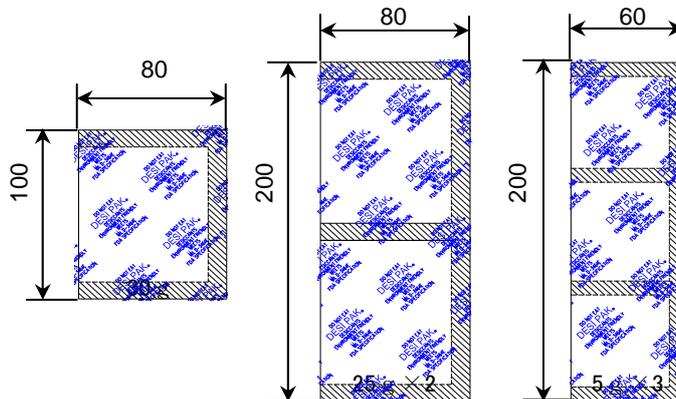
**4.2 Drying agent**

**4.2.1 The table below shows the scope of the newly added specifications of the drying agents.**

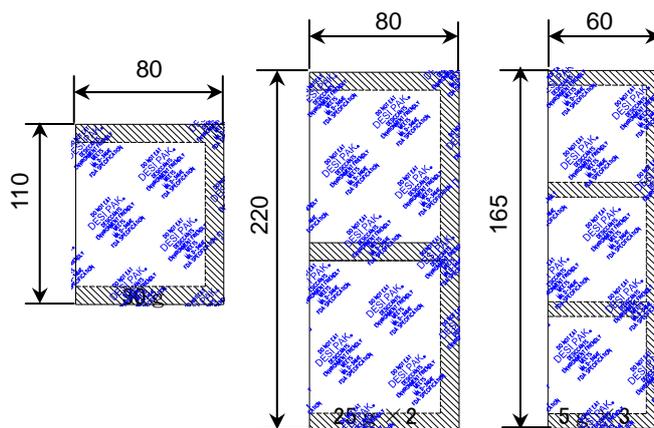
Amount contained [g]	Conventional specification		Added specification (1)		Added specification (2)	
	Size [mm]	Print	Size [mm]	Print	Size [mm]	Print
30	100×80	Oblique	110×80	Oblique	110×80	Horizontal
25×2	200×80	Oblique	220×80	Oblique	220×80	Horizontal
5×3	200×60	Oblique	165×60	Oblique	165×60	Horizontal

**4.2.2 Details of size and print design of the newly added specifications**

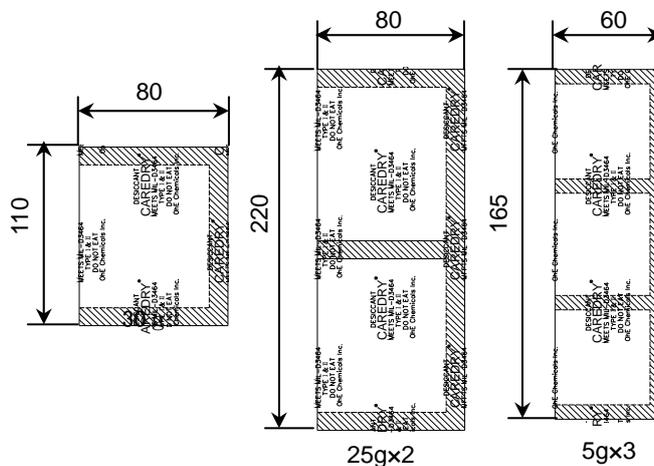
<Conventional>



<Added specification 1>



<Added specification 2>



**4.2.3 Difference in performance**

There is no difference in moisture absorbing performance, duration, and absence of substances with environmental burden between the conventional and new specifications.