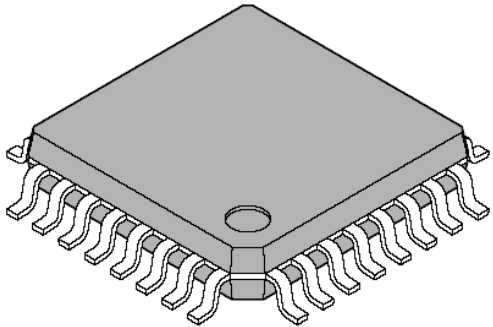


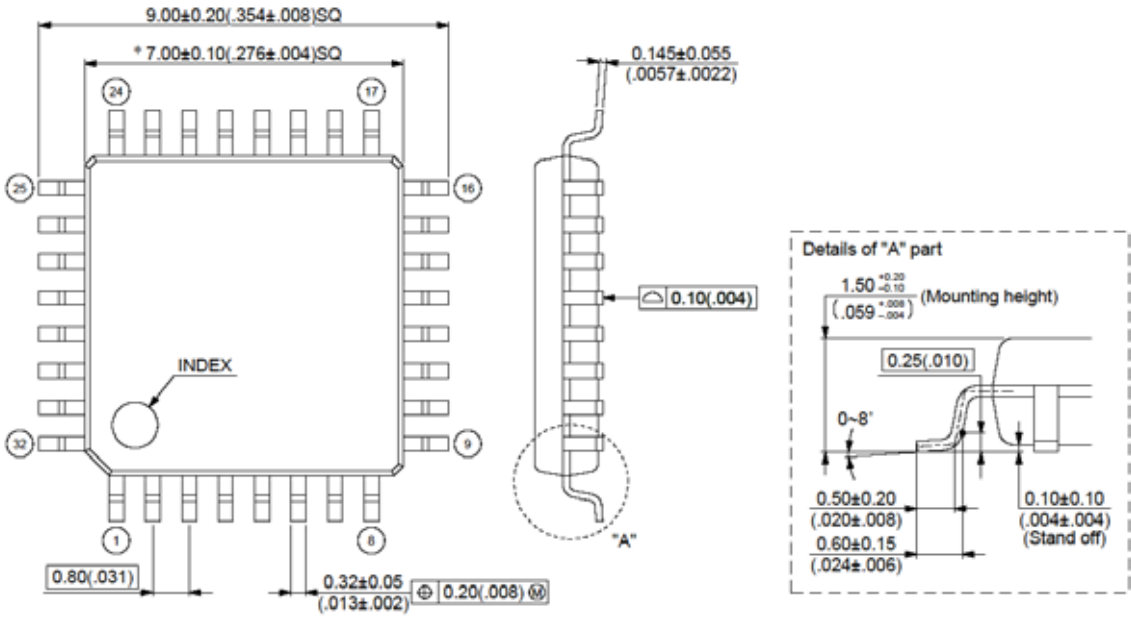
**PACKAGE**

[ RPG100 ]

<p>32-pin plastic LQFP</p> 	Lead pitch	0.80mm
	Package width x package length	7 x 7 mm
	Lead shape	Gullwing
	Sealing method	Plastic mold
	Mounting height	1.70 mm MAX

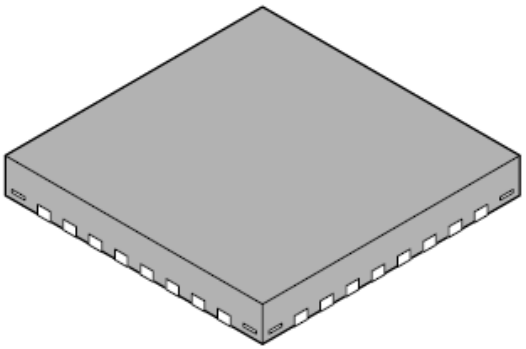
32-pin plastic LQFP

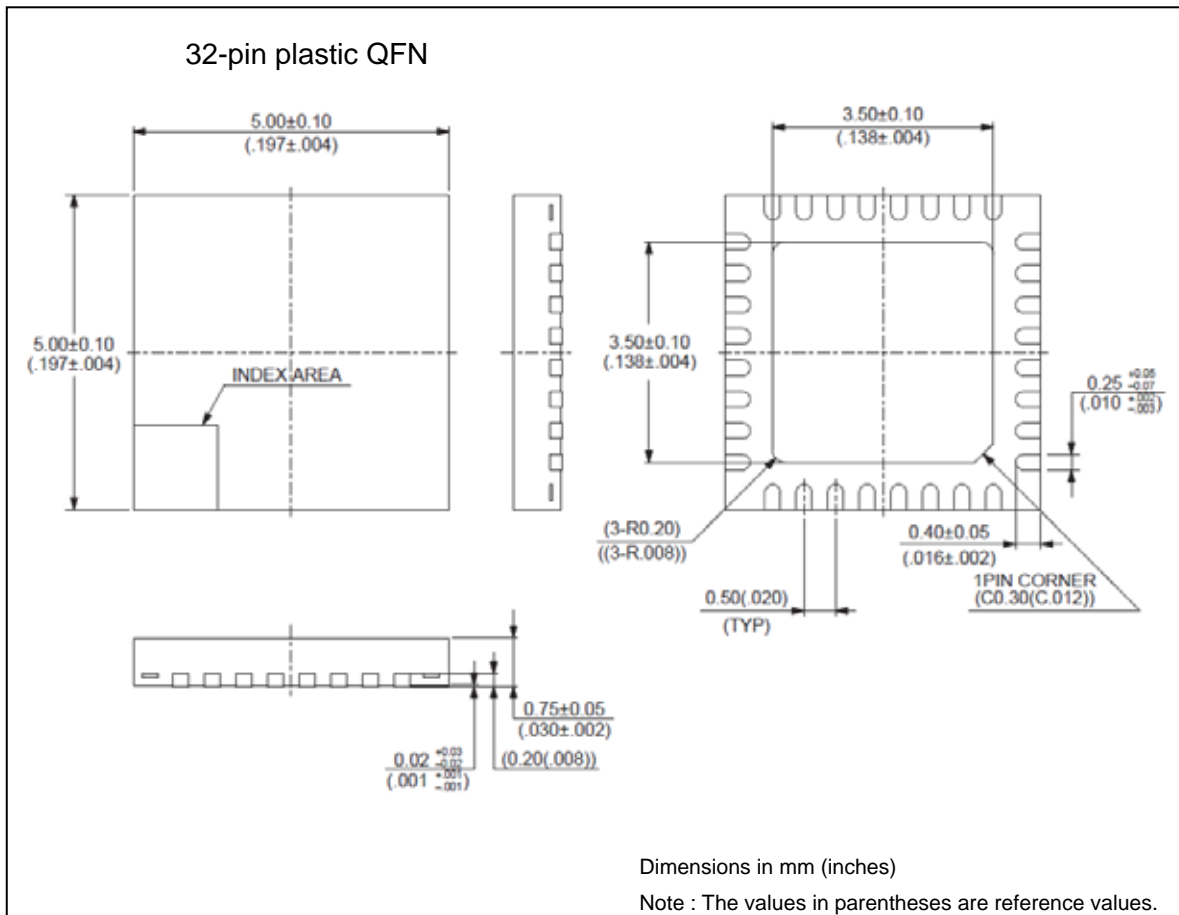
Note1) \* : These dimensions do not include resin protrusion.  
 Note2) Pins width and pins thickness include plating thickness.  
 Note3) Pins width do not include tie bar cutting remainder.



Dimensions in mm (inches)  
 Note : The values in parentheses are reference values.

[ RPG100F ]

<p>32-pin plastic QFN</p> 	Lead pitch	0.50mm
	Package width x package length	5 x 5 mm
	Sealing method	Plastic mold
	Mounting height	0.80 mm MAX



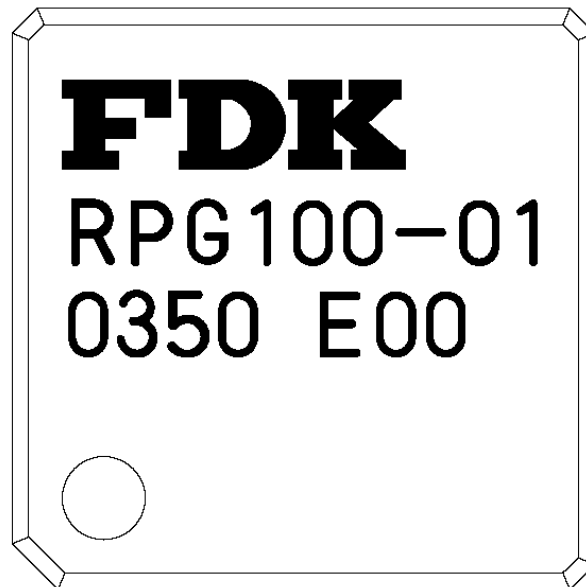
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**MARKING**

[ RPG100 ]

RPG100-01

REV

Part number

0350 E00

Control number

Lot number

[ RPG100F ]

RPG100F

Part number

1050    300

Control number

Lot number

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# Mounting Condition

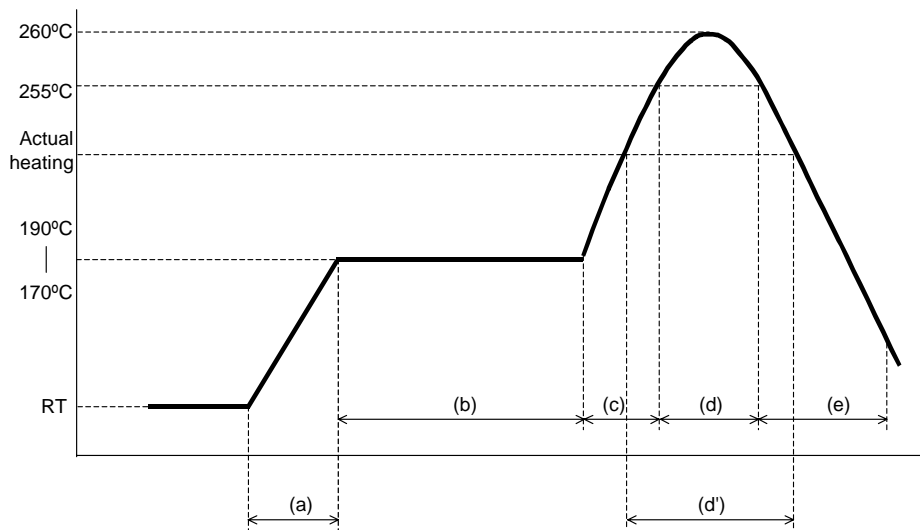
## [ RPG100 , RPG100F ]

Recommend method of mounting the package.

### Recommended mounting condition

Item	Content	
Mounting method	Infrared reflow	
Number of times	The package can be subjected to reflow with a maximum of two times.	
Keeping period	With closing the sealed bag	Please use within a year from the date of manufacturing.
	For the second reflow with opening the sealed bag	Please subject to the second reflow within a maximum of four days.
	Exceeding the period after opening the sealed bag	Please subject to reflow within a maximum of four days after baking at 125°C in 24hrs.
Keeping condition	5-30°C and 70%RH or less (low humidity)	

### Temperature profile for infrared reflow



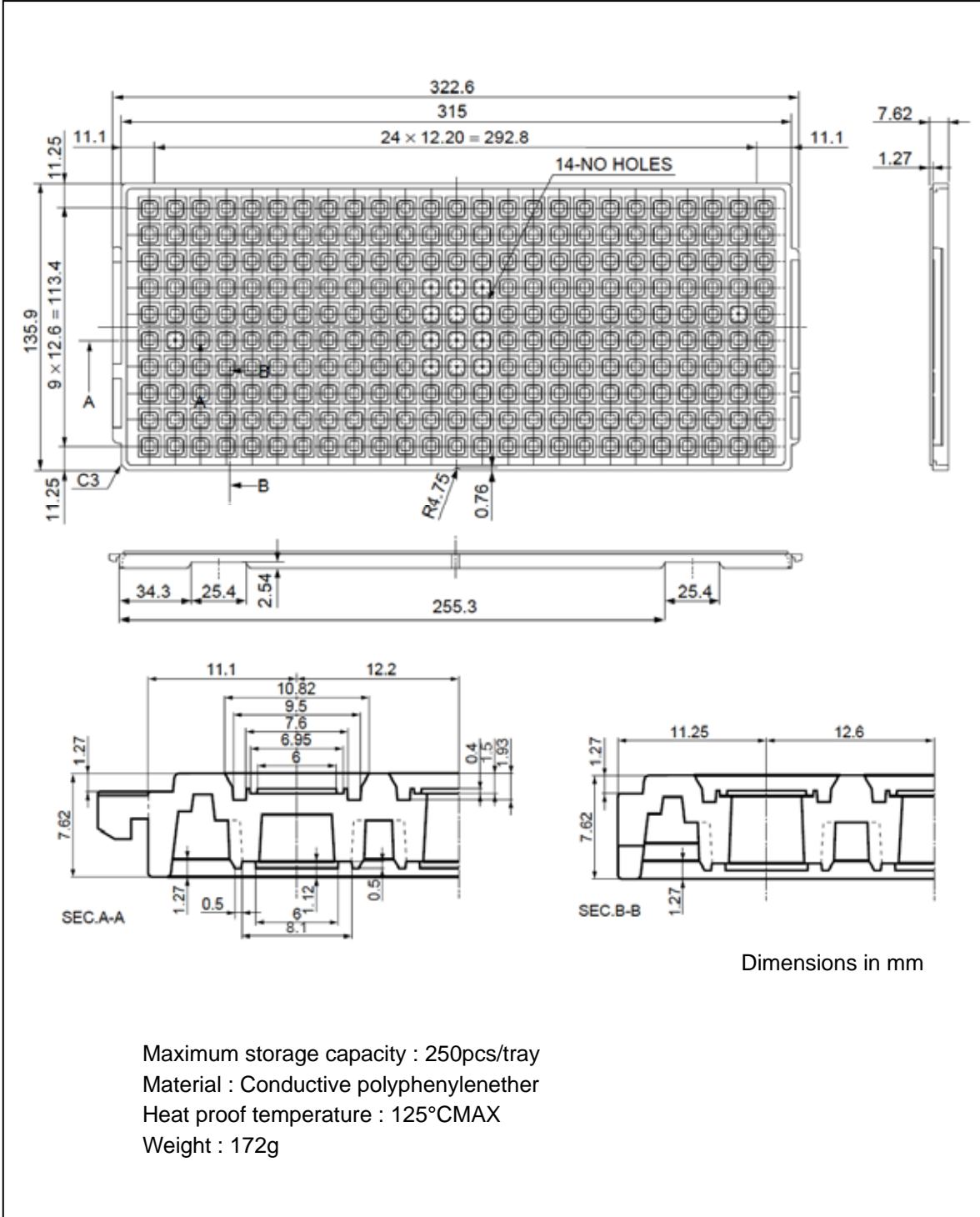
- (a) Temperature increase gradient : Average 1°C to 4°C/s
- (b) Preliminary heating : Temperature 170°C to 190°C 60s to 180s
- (c) Temperature increase gradient : Average 1°C to 4°C/s
- (d) Peak temperature : Temperature 260°C MAX., 255°C or more, 10s or less
- (d') Actual heating : Temperature 230°C or more, 40s or less or  
Temperature 225°C or more, 60s or less or  
Temperature 220°C or more, 80s or less
- (e) Natural cooling or forced cooling

\* Temperature of the top of the package body

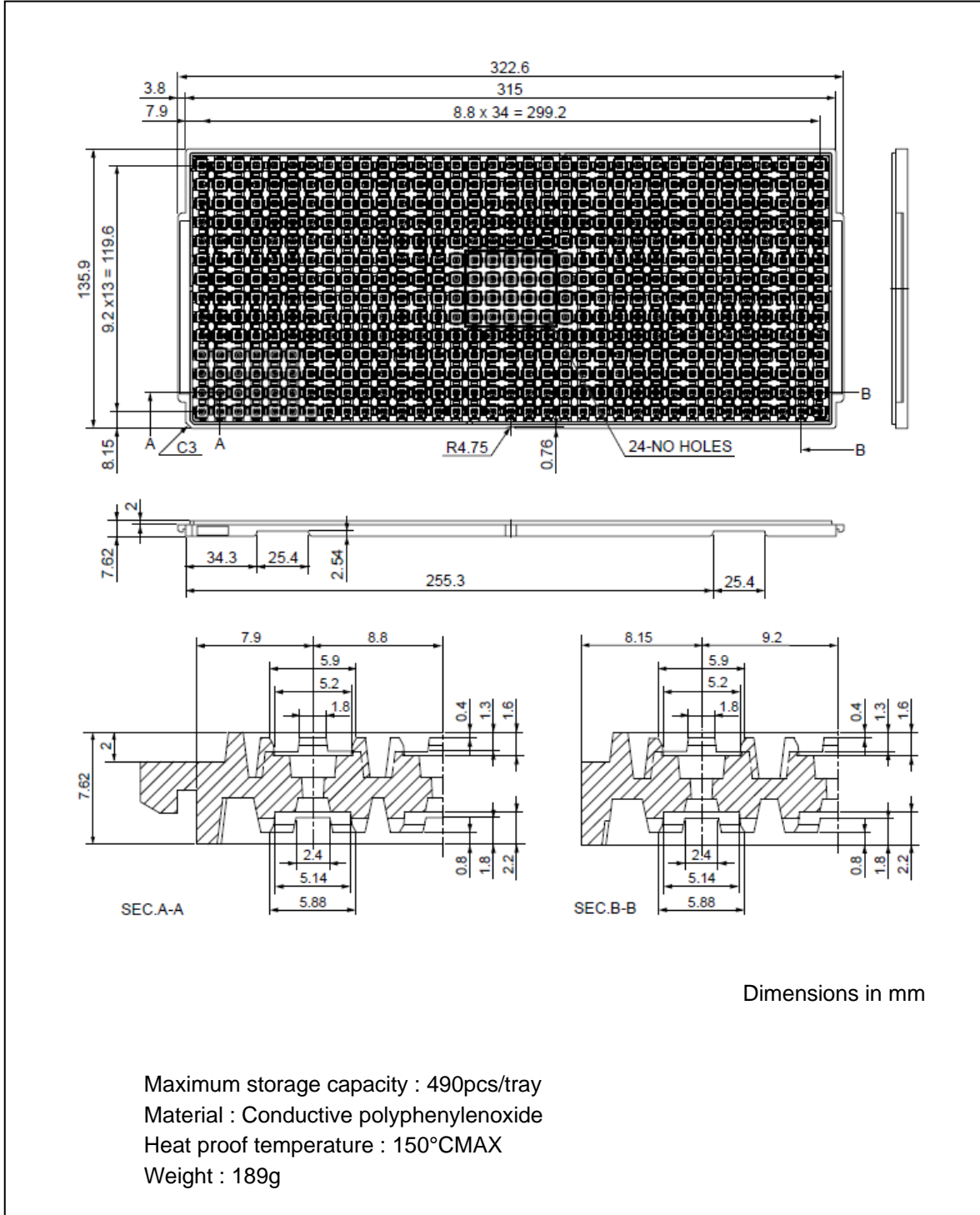
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TRAY

[ RPG100 ]



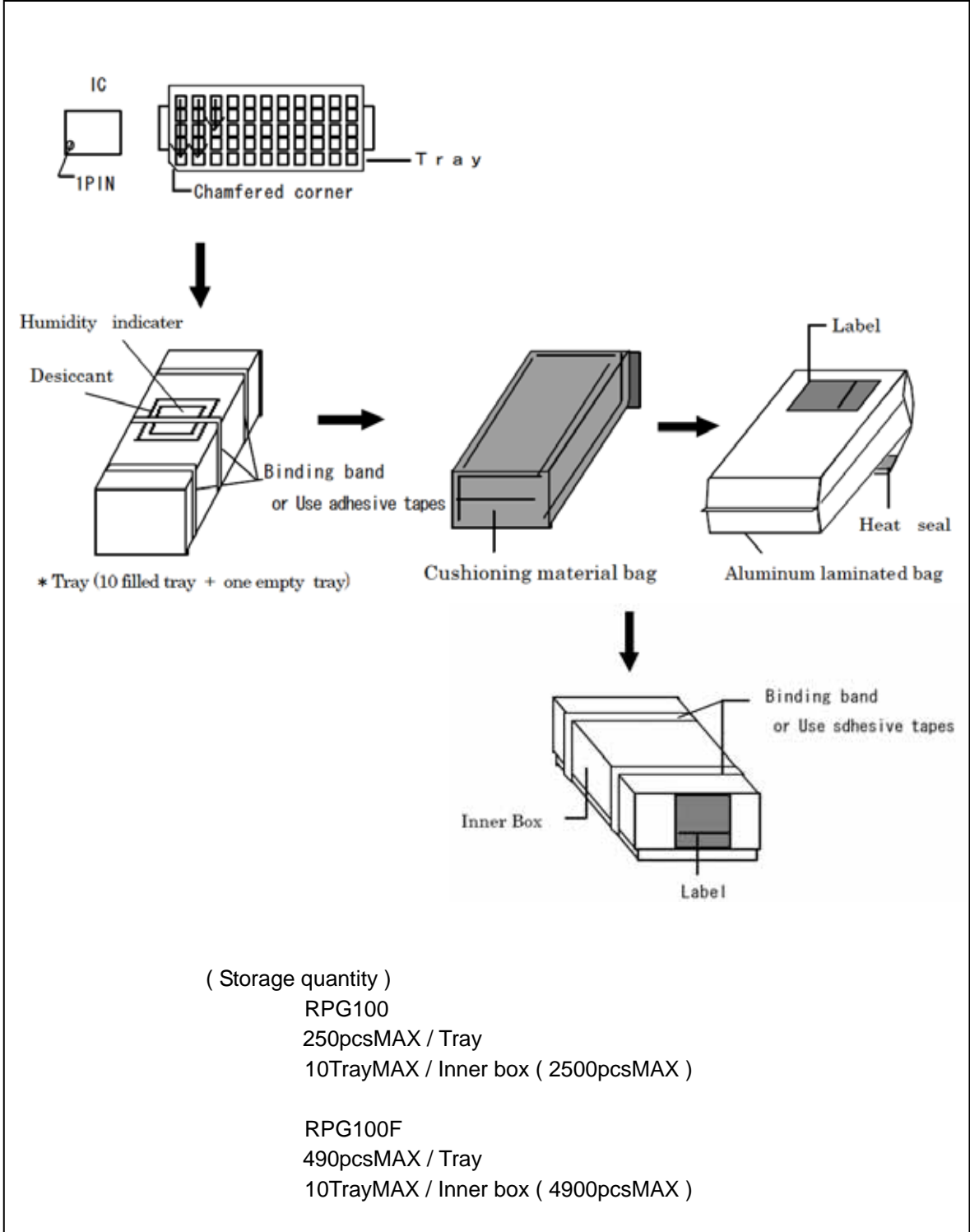
[ RPG100F ]



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# PACKING

## [ RPG100 , RPG100F ]



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