## PACKAGE

### [ RPG100 ]

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lead pitch</td>
<td>0.80mm</td>
</tr>
<tr>
<td>Package width x package length</td>
<td>7 x 7 mm</td>
</tr>
<tr>
<td>Lead shape</td>
<td>Gullwing</td>
</tr>
<tr>
<td>Sealing method</td>
<td>Plastic mold</td>
</tr>
<tr>
<td>Mounting height</td>
<td>1.70 mm MAX</td>
</tr>
</tbody>
</table>

Note 1) * : These dimensions do not include resin protrusion.

Note 2) Pins width and pins thickness include plating thickness.

Note 3) Pins width do not include tie bar cutting remainder.

Dimensions in mm (inches)

Note : The values in parentheses are reference values.
<table>
<thead>
<tr>
<th><strong>[ RPG100F ]</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>32-pin plastic QFN</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

![32-pin plastic QFN Diagram]

Dimensions in mm (inches)

Note: The values in parentheses are reference values.

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http://www.fdk.com
MARKING

[ RPG100 ]

RPG100-01
0350 E00

RPG100-01  REV
Part number

0350     E00
Control number
Lot number
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Mounting Condition

[ RPG100 , RPG100F ]

Recommend method of mounting the package.

Recommended mounting condition

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

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\text{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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[ RPG100 ]

**Dimensions in mm**

- Maximum storage capacity: 250pcs/tray
- Material: Conductive polyphenylenether
- Heat proof temperature: 125°C MAX
- Weight: 172g
[ RPG100F ]

Maximum storage capacity: 490pcs/tray
Material: Conductive polyphenylenoxide
Heat proof temperature: 150°C MAX
Weight: 189g

Dimensions in mm
PACKING

[ RPG100, RPG100F ]

(Storage quantity)

RPG100
250pcsMAX / Tray
10TrayMAX / Inner box (2500pcsMAX)

RPG100F
490pcsMAX / Tray
10TrayMAX / Inner box (4900pcsMAX)

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