### 1. Thermal tests

<table>
<thead>
<tr>
<th>Test Item</th>
<th>Test Condition</th>
<th>Failure Size / Sample Size</th>
</tr>
</thead>
</table>
| 熱抵抗試験                      | Peak: 260 deg.C (a moment)  
Reflow zone: 230 deg.C 30 to 50 s  
Preheat: 180 to 190 deg.C, 60 to 120 s  
4 times                     | 0 / 32                                                                      |
| 冷熱循環試験                    | -55 deg.C (30 min) to 150 deg.C (30 min)  
100 cycles                   | 0 / 50                                                                     |

### 2. Mechanical tests

<table>
<thead>
<tr>
<th>Test Item</th>
<th>Test Condition</th>
<th>Failure Size / Sample Size</th>
</tr>
</thead>
</table>
| 焊接性試験                      | Solder bath: Sn-Ag-Cu 245 deg.C, 5 s, once (using Flux)  
Solder bath: Sn-Pb 230 deg.C, 5 s, once (using Flux) | 0 / 11                                                                     |

### 3. Life tests

<table>
<thead>
<tr>
<th>Test Item</th>
<th>Test Condition</th>
<th>Failure Size / Sample Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>見積寿命試験</td>
<td></td>
<td>0 / 30</td>
</tr>
<tr>
<td>高温逆偏試験</td>
<td></td>
<td>0 / 30</td>
</tr>
<tr>
<td>高温保存試験</td>
<td></td>
<td>0 / 30</td>
</tr>
<tr>
<td>高温高湿度保存試験</td>
<td></td>
<td>0 / 30</td>
</tr>
<tr>
<td>壓力鍋試験</td>
<td></td>
<td>0 / 20</td>
</tr>
</tbody>
</table>
Estimated Failure Rate

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Estimated failure rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>SSM3K37CT</td>
<td>0.18 Fit or less</td>
</tr>
</tbody>
</table>

Above estimated value is determined with the standard operation under the general environment:*  
*The general environment here means the conditions of $T_j \leq 55$ degree C and no application of surge and so on.

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Heat-resistant Mounting Conditions

Product Name: FSSM3K37CT
Package Name: FCST3

1. Reflow
Peak: 260 deg.C (a moment)
Reflow zone: 230 deg.C 30 to 50 seconds
Preheat: 180 to 190 deg.C, 60 to 120 seconds

NOTE:
Heat resistant condition are based on the device surface temperature.
An example of a temperature profile is shown in Fig.1. This profile has indicated the maximum of a device heat-resistance guarantee.
Please set preheating temperature / heating temperature as the best temperature according to the kind of solder paste to use, within the limits of Fig.1.

For the packages allowing mounting twice or more, the mounting should be completed with the interval from the first to the last mounting being within 2 weeks.

2. Others
We urge you to verify well before mounting to assure enough solder joint strength.

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Moisture Absorption Control Level (Moisture Sensitivity Level)

Product Name: SSM3K37CT
Package Name: CST3

Always store the Product under moisture sensitivity level equivalent to level 1 (JEDEC J-STD-020 Moisture Sensitivity Level). In the event the Product is stored otherwise, the applicable warranty, if any, is void.

Always perform reflow soldering in accordance with methods and conditions as specified in applicable engineering documents or specifications provided by Toshiba, or as instructed in writing by your TOSHIBA sales representative. In the event the Product is soldered otherwise, the applicable product warranty, if any, is void.
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