1. Packing method

Fig. 1. Reel pack for SMD

Table 1. Dimensions and quantities

<table>
<thead>
<tr>
<th>Package version</th>
<th>12 NC ending</th>
<th>Orderable part number ending</th>
<th>Reel dimensions d × w (mm)[1]</th>
<th>SPQ/PQ (pcs)[2]</th>
<th>Reels per box</th>
<th>Outer box dimensions l × w × h (mm)[3]</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOD323</td>
<td>115</td>
<td>115 or X</td>
<td>180 x 8</td>
<td>3000</td>
<td>1</td>
<td>185 x 185 x 17</td>
</tr>
</tbody>
</table>

[1] d = reel diameter; w = tape width.
2. Product orientation

<table>
<thead>
<tr>
<th>Q1/T1</th>
<th>Q2/T3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q3/T4</td>
<td>Q4/T2</td>
</tr>
</tbody>
</table>

aaa-014313

![Product orientation in carrier tape](aaa-014313)

Fig. 2. Product orientation in carrier tape

3. Carrier tape dimensions

![Plastic/Embossed carrier tape](007aa0148)

Table 2. Carrier tape dimensions

<table>
<thead>
<tr>
<th>A₀ (mm)</th>
<th>B₀ (mm)</th>
<th>K₀ (mm)</th>
<th>T (mm)</th>
<th>P₁ (mm)</th>
<th>W (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.20 ± 0.10</td>
<td>2.80 ± 0.10</td>
<td>1.20 ± 0.10</td>
<td>0.20 ± 0.02</td>
<td>4.0 ± 0.1</td>
<td>8.0 ± 0.1</td>
</tr>
</tbody>
</table>

Not drawn to scale

Fig. 3. Plastic/Embossed carrier tape

In accordance with IEC 60286-3
4. Reel dimensions

Fig. 4. Schematic view of reel

Table 3. Reel dimensions
In accordance with IEC 60286-3

<table>
<thead>
<tr>
<th>A [nom] (mm)</th>
<th>W2 [max] (mm)</th>
<th>B [min] (mm)</th>
<th>C [min] (mm)</th>
<th>D [min] (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>180</td>
<td>14.4</td>
<td>1.5</td>
<td>12.8</td>
<td>20.2</td>
</tr>
</tbody>
</table>
5. Barcode label

Fig. 5. Example of typical box information barcode label

Fig. 6. Example of typical reel information barcode label

Table 4. Barcode label dimensions

<table>
<thead>
<tr>
<th>Box barcode label</th>
<th>Reel barcode label</th>
</tr>
</thead>
<tbody>
<tr>
<td>l × w (mm)</td>
<td>l × w (mm)</td>
</tr>
<tr>
<td>100 × 75</td>
<td>36 × 75</td>
</tr>
</tbody>
</table>

6. Revision history

Table 5. Revision history

<table>
<thead>
<tr>
<th>Document ID</th>
<th>Release date</th>
<th>Modifications</th>
<th>Supersedes</th>
</tr>
</thead>
</table>
| SOD323_115 v.2    | 20200428     | • The format of this packing information document has been redesigned to comply with the identity guidelines of Nexperia.  
• Table 1: Outer box dimensions updated  
• Table 2: Tolerances added to carrier tape dimensions.  
• Section 4 "Reel dimensions" added.  
• Section 5 "Barcode label" added.  
• Legal texts have been adapted to the new company name where appropriate. | SOD323_115 v.1 |
| SOD323_115 v.1    | 20120927     | -                                                                             | -            |
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