1. Packing method

![Diagram showing the reel pack for SMD components with labels and dimensions](image)

**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 $d \times w$ (mm)[1]</th>
<th>SPQ/PQ (pcs)[2]</th>
<th>Reels per box</th>
<th>Outer box dimensions $l \times w \times h$ (mm)[3]</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOT403-1</td>
<td>118</td>
<td>118 or J</td>
<td>330 x 12</td>
<td>2500</td>
<td>1</td>
<td>341 x 338 x 28</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>
<th>Q3/T4</th>
<th>Q4/T2</th>
</tr>
</thead>
</table>

Tape pocket quadrants

Pin 1 is in quadrant Q1/T1

Fig. 2. Product orientation in carrier tape

3. Carrier tape dimensions

Not drawn to scale

Fig. 3. Plastic/Embossed carrier tape

Table 2. Carrier tape dimensions

In accordance with IEC 60286-3

<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>6.9 ± 0.1</td>
<td>5.6 ± 0.1</td>
<td>1.6 ± 0.1</td>
<td>0.30 ± 0.05</td>
<td>8.0 ± 0.1</td>
<td>12.0 ± 0.3 / - 0.1</td>
</tr>
</tbody>
</table>
4. Reel dimensions

![Schematic view of reel]

Fig. 4. Schematic view of reel

Table 3. Reel dimensions

<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>330</td>
<td>18.4</td>
<td>1.5</td>
<td>12.8</td>
<td>20.2</td>
</tr>
</tbody>
</table>

In accordance with IEC 60286-3

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5. Barcode label

Fig. 5. Example of typical box and reel information barcode label

Table 4. Barcode label dimensions

<table>
<thead>
<tr>
<th>Box and reel barcode label</th>
<th>l x w (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>100 x 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>
| SOT403-1_118 v.2  | 20200115     | • The format of this packing information document has been redesigned to comply with the identity guidelines of Nexperia.  
 Fig. 1: Updated packing method drawing.  
 Table 1: Outer box dimensions updated  
 Table 2: Tolerances added to carrier tape dimensions.  
 Table 3: Updated the reel dimensions.  
 Section 5: Updated barcode label and dimensions.  
 Legal texts have been adapted to the new company name where appropriate. | SOT403-1_118 v.1 |
| SOT403-1_118 v.1  | 20130408     | -                                                                           | -              |

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