1. Packing method

![Diagram of reel pack for SMD]

**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>SOT765-1</td>
<td>125</td>
<td>125 or H</td>
<td>180 x 8</td>
<td>3000</td>
<td>1</td>
<td>187 x 185 x 18</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>

Tape pocket quadrants

Pin 1 is in quadrant Q3/T4

Fig. 2. Product orientation in carrier tape

3. Carrier tape dimensions

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>2.25 ± 0.10</td>
<td>3.35 ± 0.10</td>
<td>1.40 ± 0.10</td>
<td>0.25 ± 0.05</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
4. Reel dimensions

![Diagram of reel dimensions](image)

**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>

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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 × w (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>100 × 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>
| SOT765-1_125 v.6| 20191219     | - 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 reel dimensions.  
|                  |              | - Section 5: Updated barcode label and dimensions.  
|                  |              | - Legal texts have been adapted to the new company name where appropriate.     | SOT765-1_125 v.5 |
| SOT765-1_125 v.5| 20130503     | -                                                                                | -              |
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