Mechanical Data
- Surface Mount Package
- Sidewall tin Plating (SWP) for wettable flanks in AOI
- Weight: 0.008 grams (approximately)
- Case Material – Molded Plastic, UL Flammability Rating 94V-0
- Terminals: Finish – Matte Tin Solderable per MIL-STD-202, Method 208 (approximately)

Package Outline Dimensions

Suggested Pad Layout
## Minimum Packing Quantity

<table>
<thead>
<tr>
<th>Reel Type</th>
<th>Quantity</th>
<th>Tape Width</th>
<th>Part Number Suffix</th>
</tr>
</thead>
<tbody>
<tr>
<td>7&quot; Reel</td>
<td>3,000</td>
<td>8mm</td>
<td>-7</td>
</tr>
<tr>
<td>13&quot; Reel</td>
<td>10,000</td>
<td>8mm</td>
<td>-13</td>
</tr>
</tbody>
</table>

**Note:** Package quantities given are for minimum packaging quantity only, not minimum order quantity. For minimum order quantity, please contact Sales Department.

**Note:** No mixed date codes or partial quantity (less than minimum packaging quantity) per packaging is allowed.

**Note:** In no case shall there be two or more consecutive components missing from any reel for any reason.

## Device Tape Orientation

### Tape Width

<table>
<thead>
<tr>
<th>Part Number Suffix</th>
<th>Tape Orientation</th>
</tr>
</thead>
<tbody>
<tr>
<td>-7</td>
<td></td>
</tr>
<tr>
<td>-13</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** For part marking, refer to product datasheet.

**Note:** Tape and package drawings are not to scale and are shown for device tape orientation only.

## Embossed Carrier Tape Specifications

<table>
<thead>
<tr>
<th>Tape Width (W)</th>
<th>Dimension</th>
<th>Value (mm)</th>
<th>Dimension</th>
<th>Value (mm)</th>
<th>Dimension</th>
<th>Value (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8mm</td>
<td>B1</td>
<td>4.5 max.</td>
<td>F</td>
<td>3.5±0.05</td>
<td>P2</td>
<td>2.0±0.05</td>
</tr>
<tr>
<td></td>
<td>D</td>
<td>1.5±0.10 -0.0</td>
<td>K</td>
<td>2.4 max.</td>
<td>t</td>
<td>0.40 max.</td>
</tr>
<tr>
<td></td>
<td>D1</td>
<td>0.35 min.</td>
<td>P</td>
<td>4.0±0.10</td>
<td>W</td>
<td>8±0.30</td>
</tr>
<tr>
<td></td>
<td>E</td>
<td>1.75±0.10</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Note:** The clearance between the component and the cavity must comply to the rotational and lateral movement requirement provided in figures in the "Maximum Component Movement in Tape Pocket" section.

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U-DFN2020-6 (Type F) Package

Information

Rev. 2018-06-11

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June 2018
Allowable camber to be 1mm/100mm tape, non-cumulative
Component Lateral Movement

8mm Tape

0.5mm maximum

Maximum Component Rotation

Top View

Side View

Typical Pocket Centerline

Typical Component Centerline
Surface Mount Reel Specifications

Tape Width | Reel Size | A (mm) | B Max (mm) | C (mm) | D Max (mm) | N Min (mm) | G (mm) | T Max (mm) |
--- | --- | --- | --- | --- | --- | --- | --- | --- |
8mm | 7" | 178 ±2 | 2.0 +0.5 -0 | 13 +0.5 -0.2 | 20.5 ±0.2 | 55 ±5 | 8.4 +1.5 -0.0 | 14.4 |
| 13" | 330 ±2 | 2.0 +0.5 -0 | 13 +0.5 -0.2 | 20.5 ±0.2 | 100 ±2 | 8.4 +1.5 -0.0 | 14.4 |

Tape Leader and Trailer Specifications

Note: There shall be a leader of at least 230mm which may consist of carrier tape and/or cover tape or a start tape followed by at least 160mm of empty carrier tape sealed with cover tape.

Note: There shall be a trailer of at least 160mm of empty carrier tape sealed with cover tape. The entire carrier tape must release from the reel hub as the last portion of the tape unwinds from the reel without damage to the carrier tape and the remaining components in the cavities.