1. Package summary

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Parameter</th>
<th>Min</th>
<th>Typ</th>
<th>Nom</th>
<th>Max</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>D</td>
<td>package length</td>
<td>-</td>
<td>-</td>
<td>0.6</td>
<td>-</td>
<td>mm</td>
</tr>
<tr>
<td>E</td>
<td>package width</td>
<td>-</td>
<td>-</td>
<td>1</td>
<td>-</td>
<td>mm</td>
</tr>
<tr>
<td>A</td>
<td>seated height</td>
<td>0.44</td>
<td>-</td>
<td>0.47</td>
<td>0.5</td>
<td>mm</td>
</tr>
<tr>
<td>e</td>
<td>nominal pitch</td>
<td>-</td>
<td>-</td>
<td>0.65</td>
<td>-</td>
<td>mm</td>
</tr>
<tr>
<td>$n_2$</td>
<td>actual quantity of termination</td>
<td>-</td>
<td>-</td>
<td>2</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Table 1. Package summary
2. Package outline

DFN1006BD-2  Leadless ultra small plastic package with side-wettable flanks (SWF); 2 terminals; 0.65 mm pitch; 1 mm x 0.6 mm x 0.47 mm body

Dimensions

<table>
<thead>
<tr>
<th>Unit</th>
<th>A(1)</th>
<th>A1</th>
<th>b(1)</th>
<th>b</th>
<th>D</th>
<th>E</th>
<th>e</th>
<th>L</th>
<th>T(1)</th>
<th>u</th>
<th>v</th>
<th>w</th>
<th>y</th>
<th>y1</th>
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</thead>
<tbody>
<tr>
<td>max</td>
<td>0.50</td>
<td>0.04</td>
<td>0.55</td>
<td>1.00</td>
<td>0.65</td>
<td>0.25</td>
<td>0.16</td>
<td>0.05</td>
<td>0.10</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
<td></td>
</tr>
<tr>
<td>nom</td>
<td>0.47</td>
<td>0.20</td>
<td>0.60</td>
<td>0.65</td>
<td>0.25</td>
<td>0.16</td>
<td>0.05</td>
<td>0.10</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
<td></td>
</tr>
<tr>
<td>min</td>
<td>0.44</td>
<td>0.20</td>
<td>0.46</td>
<td>0.45</td>
<td>0.22</td>
<td>0.10</td>
<td>0.05</td>
<td>0.10</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
<td></td>
</tr>
</tbody>
</table>

Notes:
1. Dimension including plating thickness.
2. The marking bar indicates the cathode.
3. Solderable lead end, protrusion max. 0.02 mm.

Fig. 1. Package outline DFN1006BD-2 (SOD882BD)
3. Soldering

**Footprint information for reflow soldering of DFN1006BD-2 package**

<table>
<thead>
<tr>
<th>solder resist</th>
<th>solder paste</th>
<th>solder lands</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Dimensions in mm

- 0.8 (2×)
- 1.4
- 0.3
- 0.6 (2×)
- 0.7 (2×)

Issue date

- 20-05-01
- 20-12-15

Fig. 2. Reflow soldering footprint for DFN1006BD-2 (SOD882BD)
4. Legal information

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Leadless ultra small plastic package with side-wettable flanks (SWF); 2 terminals; 0.65 mm pitch; 1 mm x 0.6 mm x 0.47 mm body

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