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>1.3</td>
<td>-</td>
<td>1.35</td>
<td>1.4</td>
<td>mm</td>
</tr>
<tr>
<td>E</td>
<td>package width</td>
<td>0.95</td>
<td>-</td>
<td>1</td>
<td>1.05</td>
<td>mm</td>
</tr>
<tr>
<td>A</td>
<td>seated height</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0.35</td>
<td>mm</td>
</tr>
<tr>
<td>A₂</td>
<td>package height</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0.31</td>
<td>mm</td>
</tr>
<tr>
<td>e</td>
<td>nominal pitch</td>
<td>-</td>
<td>-</td>
<td>0.35</td>
<td>-</td>
<td>mm</td>
</tr>
<tr>
<td>e₁</td>
<td>minimal pitch</td>
<td>-</td>
<td>-</td>
<td>0.55</td>
<td>-</td>
<td>mm</td>
</tr>
<tr>
<td>n₂</td>
<td>actual quantity of termination</td>
<td>-</td>
<td>-</td>
<td>8</td>
<td>-</td>
<td></td>
</tr>
</tbody>
</table>

Table 1. Package summary
2. Package outline

**XSON8**: extremely thin small outline package; no leads; 8 terminals; body 1.35 mm x 1 mm x 0.35 mm

---

**Dimensions**

<table>
<thead>
<tr>
<th>Unit</th>
<th>A(1)</th>
<th>A1</th>
<th>b</th>
<th>D</th>
<th>E</th>
<th>e1</th>
<th>L</th>
<th>L1</th>
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<tbody>
<tr>
<td>max</td>
<td>0.35</td>
<td>0.04</td>
<td>0.20</td>
<td>1.40</td>
<td>1.05</td>
<td>0.35</td>
<td>0.40</td>
<td></td>
</tr>
<tr>
<td>mm</td>
<td>nom</td>
<td>0.15</td>
<td>1.35</td>
<td>1.00</td>
<td>0.55</td>
<td>0.35</td>
<td>0.30</td>
<td>0.35</td>
</tr>
<tr>
<td></td>
<td>min</td>
<td>0.12</td>
<td>1.30</td>
<td>0.95</td>
<td>0.27</td>
<td>0.27</td>
<td>0.32</td>
<td></td>
</tr>
</tbody>
</table>

**Note**

1. Including plating thickness.
2. Visible depending upon used manufacturing technology.

---

**Fig. 1. Package outline XSON8 (SOT1203)
3. Soldering

Footprint information for reflow soldering of XSON8 package

<table>
<thead>
<tr>
<th>Issue date</th>
<th>Footprint information for reflow soldering of XSON8 package</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-09-03</td>
<td>SOT1203</td>
</tr>
</tbody>
</table>

![Footprint Diagram](image)

- occupied area
- solder land plus solder paste
- solder resist

Dimensions in mm:
- 0.15 mm
- 0.25 mm
- 0.5 mm
- 0.6 mm
- 0.35 mm

Fig. 2. Reflow soldering footprint for XSON8 (SOT1203)
4. Legal information

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Contents

1. Package summary........................................................ 1
2. Package outline............................................................ 2
3. Soldering................................................................. 3
4. Legal information.......................................................... 4

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