1. Package summary

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Min</th>
<th>Typ</th>
<th>Nom</th>
<th>Max</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>D package length</td>
<td>9.8</td>
<td>-</td>
<td>9.9</td>
<td>10</td>
<td>mm</td>
</tr>
<tr>
<td>E package width</td>
<td>3.8</td>
<td>-</td>
<td>3.9</td>
<td>4</td>
<td>mm</td>
</tr>
<tr>
<td>A seated height</td>
<td>-</td>
<td>-</td>
<td>1.75</td>
<td>1.75</td>
<td>mm</td>
</tr>
<tr>
<td>A&lt;sub&gt;2&lt;/sub&gt; package height</td>
<td>1.25</td>
<td>-</td>
<td>1.35</td>
<td>1.45</td>
<td>mm</td>
</tr>
<tr>
<td>e nominal pitch</td>
<td>-</td>
<td>-</td>
<td>1.27</td>
<td>-</td>
<td>mm</td>
</tr>
<tr>
<td>n&lt;sub&gt;2&lt;/sub&gt; actual quantity of termination</td>
<td>-</td>
<td>-</td>
<td>16</td>
<td>-</td>
<td></td>
</tr>
</tbody>
</table>
2. Package outline

SO16: plastic small outline package; 16 leads; body width 3.9 mm

DIMENSIONS (inch dimensions are derived from the original mm dimensions)

<table>
<thead>
<tr>
<th>UNIT</th>
<th>A1</th>
<th>A2</th>
<th>A3</th>
<th>bP</th>
<th>c</th>
<th>D(1)</th>
<th>E(1)</th>
<th>e</th>
<th>H_e</th>
<th>L</th>
<th>Lp</th>
<th>Q</th>
<th>v</th>
<th>w</th>
<th>y</th>
<th>Z(1)</th>
<th>ø</th>
</tr>
</thead>
<tbody>
<tr>
<td>mm</td>
<td>1.75</td>
<td>0.25</td>
<td>1.45</td>
<td>0.25</td>
<td>0.49</td>
<td>0.25</td>
<td>10.0</td>
<td>0.19</td>
<td>9.8</td>
<td>4.0</td>
<td>1.27</td>
<td>6.2</td>
<td>5.8</td>
<td>1.05</td>
<td>1.0</td>
<td>0.4</td>
<td>0.7</td>
</tr>
<tr>
<td>inches</td>
<td>0.069</td>
<td>0.010</td>
<td>0.004</td>
<td>0.057</td>
<td>0.049</td>
<td>0.019</td>
<td>0.014</td>
<td>0.0010</td>
<td>0.00075</td>
<td>0.039</td>
<td>0.036</td>
<td>0.16</td>
<td>0.15</td>
<td>0.05</td>
<td>0.244</td>
<td>0.228</td>
<td>0.041</td>
</tr>
</tbody>
</table>

Note
1. Plastic or metal protrusions of 0.15 mm (0.006 inch) maximum per side are not included.

OUTLINE VERSION

<table>
<thead>
<tr>
<th>IEC</th>
<th>JEDEC</th>
<th>JEITA</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOT109-1</td>
<td>076E07</td>
<td>MS-012</td>
</tr>
</tbody>
</table>

Fig. 1. Package outline SO16 (SOT109-1)
3. Soldering

Footprint information for reflow soldering of SO16 package

Fig. 2. Reflow soldering footprint for SO16 (SOT109-1)
plastic, small outline package; 16 leads; 1.27 mm pitch; 9.9 mm x 3.9 mm x 1.35 mm body

Fig. 3. Wave soldering footprint for SO16 (SOT109-1)
4. Legal information

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