**Project:** IR REFLOW TESTING  
**Company:** SEMTECH CORP  
**Operator:** QA/REL TECH  
**Process:** IR REFLOW  
**Product:** TO-263 PACKAGE  
**Created:** 21-11-02 11:14:59  
**Updated:** 01-06-05 16:53:52  
**Oven:** SMRO-0252  
**Comment:** TEMP RANGE = 225°C +0 / -5 °C

<table>
<thead>
<tr>
<th>Zones</th>
<th>Upper</th>
<th>Lower</th>
</tr>
</thead>
<tbody>
<tr>
<td>#1</td>
<td>370</td>
<td>370</td>
</tr>
<tr>
<td>#2</td>
<td>215</td>
<td>215</td>
</tr>
<tr>
<td>#3</td>
<td>280</td>
<td>280</td>
</tr>
<tr>
<td>#4</td>
<td>335</td>
<td>335</td>
</tr>
</tbody>
</table>

Ventilator: OFF  
Speed: 17 (cm/min)

<table>
<thead>
<tr>
<th>Name - Probe Nr.</th>
<th>Max. Temp. reached, t=[0s-497s]</th>
<th>Time above 150°C</th>
<th>Time above 183°C</th>
<th>Time above 225°C</th>
<th>Max. Slope, T&lt;150°C</th>
<th>Max. Slope, T&lt;183°C</th>
<th>Max. Slope, T&gt;225°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>3147-1-3</td>
<td>224</td>
<td>351.47</td>
<td>149.52</td>
<td>250.20</td>
<td>3.00</td>
<td>250.20</td>
<td>1</td>
</tr>
</tbody>
</table>

**Max. Temp. reached, t=[0s-497s]**

- Temp. Reached at
- Duration Reached at

**Time above 150°C**

- Time reached
- Duration

**Time above 183°C**

- Time reached
- Duration

**Time above 225°C**

- Time reached
- Duration

**Max. Slope, T<150°C**

- Slope
- Reached at
- Duration

**Max. Slope, T<183°C**

- Slope
- Reached at
- Duration

**Max. Slope, T>225°C**

- Slope
- Reached at
- Duration

<table>
<thead>
<tr>
<th>Name - Probe Nr.</th>
<th>Max. Slope, T=150°C-183°C</th>
<th>Max. Slope, T=183°C-225°C</th>
<th>Max. Slope, T&gt;225°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>3147-1-3</td>
<td>0.33</td>
<td>1.00</td>
<td>-</td>
</tr>
</tbody>
</table>

**Max. Slope, T=150°C-183°C**

- Slope
- Reached at
- Duration

**Max. Slope, T=183°C-225°C**

- Slope
- Reached at
- Duration

**Max. Slope, T>225°C**

- Slope
- Reached at
- Duration

<table>
<thead>
<tr>
<th>Name - Probe Nr.</th>
<th>Slope - Reached at</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>3147-1-3</td>
<td>147</td>
<td>18</td>
</tr>
</tbody>
</table>

**Slope - Reached at**

- Time
- Duration

**Duration**

- Duration
- Reached at

- Duration
- Reached at