**CROSS SECTION A-A**

- **Black coating**
- **Crimping**
- **Through Hole**

**Heating zone**

**Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>AC230V ±15%</td>
<td></td>
</tr>
<tr>
<td>1. Rising time</td>
<td>820°C within ≥60s</td>
<td>Applied at AC230V and 23°C ambient temperature</td>
</tr>
<tr>
<td>2. Input current</td>
<td>≥6.7A</td>
<td></td>
</tr>
<tr>
<td>3. Maximum Wattage</td>
<td>≥280W</td>
<td></td>
</tr>
<tr>
<td>4. Minimum temperature</td>
<td>≤870°C</td>
<td></td>
</tr>
<tr>
<td>Normal temperature resistance</td>
<td>≥231%</td>
<td>Ambient temperature</td>
</tr>
<tr>
<td>Insulation resistance</td>
<td>≥50MO</td>
<td>Applied at both side of Heating element DC500V at normal temperature and humidity</td>
</tr>
<tr>
<td>Withstand voltage</td>
<td>Current Leakage ≥5mA</td>
<td>Applied at both side of Heating element AC1500V for 1 s at normal temperature and humidity rate</td>
</tr>
<tr>
<td>Load capacity</td>
<td>≤29.4N</td>
<td>The nickel wire has been clamp and the lead part has been tested with push-pull gauge</td>
</tr>
<tr>
<td>Discontinuous conduction</td>
<td>Without break</td>
<td>Applied at 264V for 4 mm Ø6.5 mm off (Forced cooling) for over 3000 cycles.</td>
</tr>
</tbody>
</table>

**Specifications**

- Voltage: AC230V ±15%
- 1. Rising time: 820°C within ≥60s
- 2. Input current: ≥6.7A
- 3. Maximum Wattage: ≥280W
- 4. Minimum temperature: ≤870°C
- Normal temperature resistance: ≥231% Ambient temperature
- Insulation resistance: ≥50MO
- Withstand voltage: Current Leakage ≥5mA
- Load capacity: ≤29.4N
- Discontinuous conduction: Without break

**Statements**

1. This product comply with RoHS and REACH standard.

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**PSx-4-240-B**

**Material**: FKK-Standard Pellet system heater

**Date**: 2013.06.04

**Scale**: 1:1

**Drawing No**: IBA-HH004

**Approvals**

- **Approved**: T. Murakami
- **Checked**: R. Toyokawa
- **Designed**: S. Kimura
- **Drawn**: Y. Fujimoto

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**FKK Corporation**

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