Ultra small pressure sensor for harsh environment

**OVERVIEW**

- Outer diameter 1,2 mm
- 2 Bar Absolute pressure sensor
- Burst pressure 10 bar
- Wide temperature range -40C to 200C
- Harsh environment
- Customized solution possible
- mVolt output

**APPLICATIONS**

- Instrumentation (ie: Automotive, ...)
- Aerodynamic testing (ie: wind tunnel)
- Industrial process monitoring
- Pumps
- Biomedical
- Oil and gas
- ...

**Diagram:**

- Measurement zone
- External zone (On request)
- Signal conditioning
- Connection to customer monitoring system

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<table>
<thead>
<tr>
<th>Part Number</th>
<th>MiniP_1,2_002_A_LT</th>
<th>MiniP_1,2_002_A_HT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outer diameter</td>
<td>1,2mm</td>
<td>1,2mm</td>
</tr>
<tr>
<td>Pressure range¹</td>
<td>0-2 bar</td>
<td>0-2 bar</td>
</tr>
<tr>
<td>Proof pressure¹</td>
<td>6 bar</td>
<td>6 bar</td>
</tr>
<tr>
<td>Burst pressure¹</td>
<td>10 bar</td>
<td>10 bar</td>
</tr>
<tr>
<td>Bridge resistance</td>
<td>6,2 kΩ typical (5-7 kΩ)</td>
<td>6,2 kΩ typical (5-7 kΩ)</td>
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<tr>
<td>Vout span</td>
<td>100 mV typical (65-135mV)</td>
<td>100 mV typical (65-135mV)</td>
</tr>
<tr>
<td>Tmax²</td>
<td>100 Celsius</td>
<td>200 Celsius</td>
</tr>
<tr>
<td>Accuracy³</td>
<td>0,5% @ FS</td>
<td>0,5% @ FS</td>
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<tr>
<td>Signal amplification</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Fluid</td>
<td>Dry air or inert gas</td>
<td>Dry air or inert gas</td>
</tr>
</tbody>
</table>

Remark: All sensors are provided with a control sheet given pressure level versus mVolt @ 25 C under a supply voltage of 5 Volt.

1. Absolute pressure
2. TMCL qualification tests – JEDEC JESD22-A104 « temperature cycling » @ Tmax
3. Accuracy @25 Celsius