### Applications
- Gas/Flame Detection

### Feature
- Single element sensor
- Low voltage operation

### Dimensions

<table>
<thead>
<tr>
<th>Window</th>
<th>Element</th>
<th>φ1.75</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.8</td>
<td>2.8</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Element Height</th>
<th>Optical Element Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>φ8.3</td>
<td>φ9.2</td>
</tr>
</tbody>
</table>

### FOV

<table>
<thead>
<tr>
<th>X-axis Element</th>
<th>Y-axis Element</th>
</tr>
</thead>
<tbody>
<tr>
<td>115°</td>
<td>115°</td>
</tr>
</tbody>
</table>

### Circuit diagram

Circuit diagram with labels 1: Drain, 2: Source, 3: GND.

### Main Parameters

<table>
<thead>
<tr>
<th>Parameters</th>
<th>Condition</th>
<th>Spec.</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Voltage</td>
<td></td>
<td></td>
<td>Min.</td>
</tr>
<tr>
<td>Source Voltage</td>
<td>Vd=5V,Rs=47kΩ, Ta=25°C</td>
<td></td>
<td>0.3</td>
</tr>
<tr>
<td>Sensitivity Output</td>
<td>72.5dB, 1Hz, 420K</td>
<td></td>
<td>1.5</td>
</tr>
<tr>
<td>Noise Output</td>
<td>72.5dB</td>
<td></td>
<td>60</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td></td>
<td></td>
<td>-40</td>
</tr>
</tbody>
</table>