The 8469 is a two electrode gas filled cold cathode tube primarily for use in voltage regulator applications operating in the corona mode.

**Maximum Ratings, Absolute Values**

- Maximum dc Cathode Current - peak pulse: 400 μA
- Minimum dc Cathode Current: 5 μA
- Ambient Temperature Limits: -55°C to 125°C

**Electrical Data Throughout Life**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Min.</th>
<th>Bogey</th>
<th>Max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anode Voltage Drop at 50μa</td>
<td>390</td>
<td>400</td>
<td>410</td>
</tr>
<tr>
<td>Anode Breakdown Voltage (1) in Darkness</td>
<td></td>
<td></td>
<td>440</td>
</tr>
<tr>
<td>(2) in Light</td>
<td></td>
<td></td>
<td>440</td>
</tr>
<tr>
<td>Regulation 5 to 300μa</td>
<td></td>
<td></td>
<td>20</td>
</tr>
<tr>
<td>Temperature Coefficient of Voltage Drop (Note 3)</td>
<td>50</td>
<td></td>
<td>5</td>
</tr>
</tbody>
</table>

**Mechanical Data**

- Mounting Position: any
- Net Weight, Maximum: .5 oz.

**Outline**

- Anode marked by red dot.

**Basing**

- Two Flying leads.

**Notes**

- Note 1: Tube operated at 50μa of current at 25°C ambient temperature.
- Note 2: Maximum change of Tube Voltage Drop, as measured before and after a seven-day non-operating hold period.
- Note 3: Tube operated at 50μa.