The CK1022 is a cold cathode, corona-discharge tube of miniature construction, designed for use as a voltage regulator in high-voltage, low-current supplies.

**MECHANICAL DATA**

- **BULB:** T-5½ Glass
- **BASE:** Miniature Button 7-Pin
- **CAP:** Skirted Miniature
- **TERMINAL CONNECTIONS:**
  - Pin 1 Cathode
  - Pin 2 No Connection
  - Pin 3 Cathode
  - Pin 4 No Connection
  - Pin 5 Cathode
  - Pin 6 No Connection
  - Cap Anode

**ELECTRICAL DATA**

**RATINGS - ABSOLUTE MAXIMUM VALUES:**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC Operating Current</td>
<td>5 to 55 µA</td>
</tr>
<tr>
<td>Ambient Temperature Range</td>
<td>-55 to +70 °C</td>
</tr>
</tbody>
</table>

**CHARACTERISTICS AND TYPICAL OPERATION:**

- Minimum DC Starting Voltage: 1100 volts
- DC Operating Voltage at 25 µA, (approx.): 1000 volts
- Regulation (5 to 55 µA): 20 volts

**TYPICAL CIRCUIT**

```
APPLIED VOLTAGE \--\ 20 Meg. \--\ REGULATED VOLTAGE
```