2049 Series Medium Duty 2-Electrode Gas Discharge Tube

Features
■ Size: 8 mm diameter, 6 mm length
■ Low capacitance
■ High insulation resistance
■ RoHS compliant*
■ *UL Recognized

Specifications are subject to change without notice.
Users should verify actual device performance in their specific applications.
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Test Methods per ITU-T K.12 and IEC 61643-311.

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Model No.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2049-07</td>
</tr>
<tr>
<td>DC Sparkover ±30 % @ 100 V/s</td>
<td>75 V</td>
</tr>
<tr>
<td>Impulse Sparkover (1)</td>
<td>&lt; 500 V</td>
</tr>
<tr>
<td>100 V/μs</td>
<td>&lt; 600 V</td>
</tr>
<tr>
<td>1000 V/μs</td>
<td>&lt; 700 V</td>
</tr>
<tr>
<td></td>
<td>2049-25</td>
</tr>
<tr>
<td>DC Sparkover ±30 % @ 100 V/s</td>
<td>250 V</td>
</tr>
<tr>
<td>Impulse Sparkover (1)</td>
<td>&lt; 500 V</td>
</tr>
<tr>
<td>100 V/μs</td>
<td>&lt; 700 V</td>
</tr>
<tr>
<td>1000 V/μs</td>
<td>&lt; 900 V</td>
</tr>
</tbody>
</table>

Notes:
• UL Recognized component, UL File E153537.
• At delivery AQL 0.65, level II DIN ISO 2859.

WARNING
Cancer and Reproductive Harm
www.P65Warnings.ca.gov

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Applications
- Telecommunications equipment
- Industrial equipment/electronics
- Consumer electronics

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**Product Dimensions**

- **2049-XX-B**
  - Dimensions: **MM (INCHES)**
  - 20 (.787) MIN.
  - 6.0 ±0.3/0.5 (.236 ±.001/-.020)
  - 8.0 ±0.3/0.5 (.315 ±.001/-.020)
  - 0.8 ± 0.05 (.031 ± .002)

**How to Order**

- **2049 - xx - B LF**
  - Model Number Designator
  - Voltage
    - 07 = 75 V
    - 09 = 90 V
    - 12 = 120 V
    - 13 = 130 V
    - 14 = 145 V
    - 23 = 230 V
  - 25 = 250 V
  - 30 = 300 V
  - 35 = 350 V
  - 40 = 400 V
  - 47 = 470 V
  - 60 = 600 V
- Leads
  - B = 0.8 mm straight leads
- Packaging
  - Blank = Bulk Packaging (Standard) - 100 pcs./tray; 500 pcs./box
  - T1 = Reelpack (Optional) - 500 pcs./reel
- Plating
  - LF = RoHS Compliant Product

**Packaging Specifications**

Model 2049-xx-BLF ships standard bulk pack, 100 pieces per tray; 5 trays per box (500 units).

The optional reelpack (-BT1LF) contains 500 pieces per reel. Reel is 330 mm in diameter and 68 mm wide. Two reels per box (1K units).

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REV. C 09/19
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