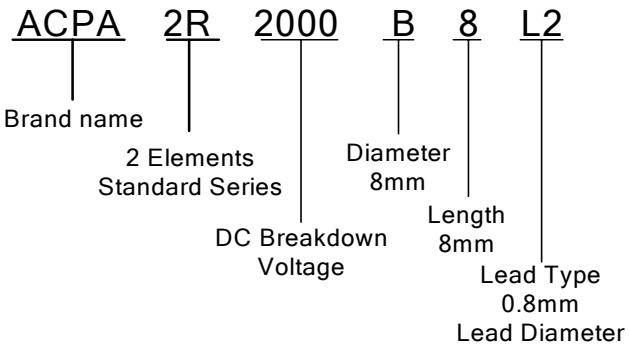
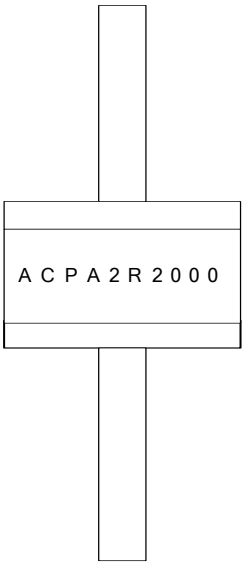
1. PART NUMBER CODE



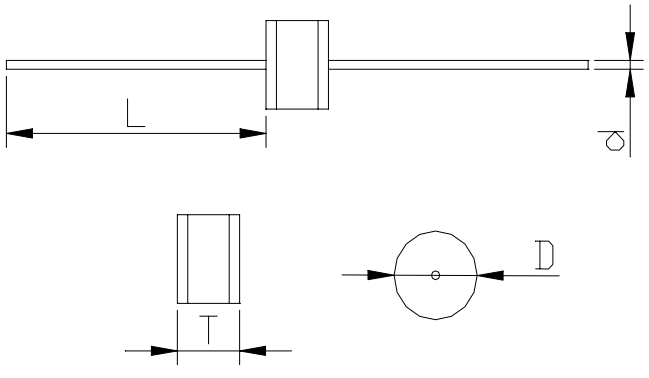
2. MARKING



3. Outline Drawing

Unit: mm

Item	Dimensions
D	8.0 +0.3,-0.5
T	8.0+0.6,-0.1
d	0.8±0.05
L	20min.



4. SPECIFICATION

4.1ELECTRICAL SPECIFICATION

Model Name	DC Breakdown Voltage (V)	Maximum Impulse Breakdown Voltage (V)		Maximum Impulse Discharge Current (8/20 μs) (KA)		Normal Alternating Discharge Current (A)		Impulse Life 10/1000μs (100A)	Minimum Insulation Resistance (GΩ)	Maximum Capacitance (pf)
	100V/s	100V/μs	1000V/μs	1 time	10 times	50Hz, 1sec	Single 9cycles	times	Note2	1MHZ
2R-2000	2000 ±20%	2700	2800	8	5	5	10	100	1	1.5

Note1 : UL1449 C-UL 3rd Recognized,File E315423

Note2 : DC Breakdown Voltage **DC Measuring Voltage**

70-90V	50V
120-400V	100V
470-800V	250V
1000-2000V	500V
2500-6000V	1000V

4.2 Standard Bulk Packaging Specifications

Quantity: 100 pieces per plastic tray

500 pieces per inner box

10 inner boxes per carton

5000 pieces per full carton

5. ELECTRICAL RATING

<table>
<tr><th>Item</th><th colspan="2">Test Condition / Description</th><th>Requirement</th></tr>
<tr><td>DC Breakdown Voltage</td><td colspan="2">The voltage measured at a rise time of 100v/s.</td><td rowspan="8">To meet the specified value</td></tr>
<tr><td>Maximum Impulse Breakdown Voltage</td><td colspan="2">The maximum breakdown voltage at rise times of 100v/us and 1000v/us.</td></tr>
<tr><td>Maximum Impulse Discharge Current</td><td colspan="2">The maximum current applying a waveform of 8/20us that can be applied across the terminals of the gas tube without causing the gas tube to change more than ±25% from its initial measured DC breakdown voltage. Dwell time between pulses is 3 minutes.</td></tr>
<tr><td>Alternating Discharge Current</td><td colspan="2">Rated RMS value of AC current at 50Hz, 1 sec. 10 times. Intervals: 3min. DC breakdown voltage may not change more than ±25% from its initial measured DC breakdown voltage. IR > 10^8 ohms (-20%, +30% for 70 – 90V).</td></tr>
<tr><td>Impulse Life</td><td colspan="2">The minimum number of impulses of a specified waveform and peak current which a gas tube will conduct without causing the gas tube to change more than ±25% from its initial measured DC breakdown voltage. Dwell time between pulses is 1-2 minutes.</td></tr>
<tr><td>DC Holdover Voltage</td><td colspan="2">The maximum DC voltage across the two terminals of the gas tube under which it may be expected to return to the high impedance state after the gas tube breakdown.</td></tr>
<tr><td rowspan="7">Insulation Resistance</td><td colspan="2">The resistance of the gas tube shall be measured each terminal to each other terminal.</td></tr>
<tr><td>DC Breakdown Voltage</td><td>Measuring Voltage</td></tr>
<tr><td>70-150V</td><td>50V</td></tr>
<tr><td>151-400V</td><td>100V</td></tr>
<tr><td>470-1000V</td><td>250V</td></tr>
<tr><td>1001-2000V</td><td>500V</td></tr>
<tr><td>2001-6000V</td><td>1000V</td></tr>
<tr><td>Capacitance</td><td colspan="2">The capacitance of a gas tube shall be measured each terminal to each other terminal. Test frequency:
1MHz In measurements involving 3-electrode gas tubes, the terminal not being tested shall be connected
to a ground plane.</td></tr>
</table>