

承认书

APPROVAL SHEET

客户
CUSTOMER

客户料号
CUSTOMER P/N

规格描述
DESCRIPTION 90V/8*6/20KA(10次)

产品编码
PART NUMBER 3-ACPA2R-090HB6L2

日期
DATE 2026-08-21

德尔创承认栏 APPROVED BY DERSONIC			客户承认栏 APPROVED BY CUSTOMER	
批 准 APPROVED BY	审 核 CHECK BY	制订 FORMULATE BY	批 准 APPROVED BY	审 核 CHECK BY
彭少雄	吴成愛 样品承认章	胡明康		

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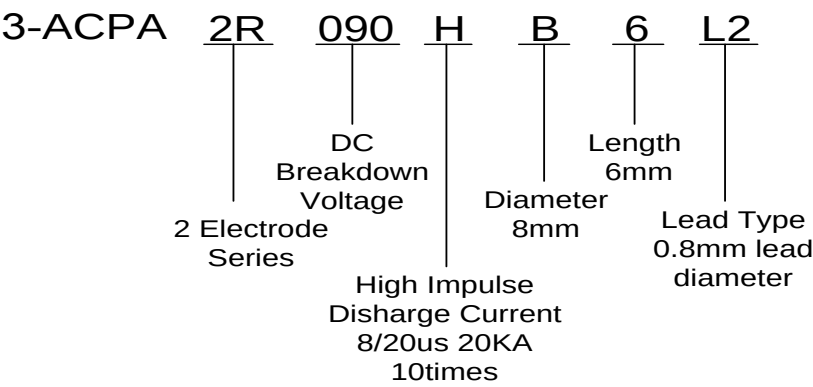
E-mail: sales@dersonic.com

quality@dersonic.com

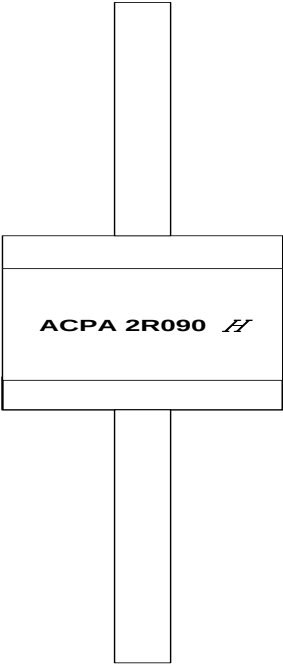
Website: <http://www.dersonic.com>

Product : Gas Discharge Tube	Part No.: 3-ACPA2R-090HB6L2
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1. PART NUMBER CODE



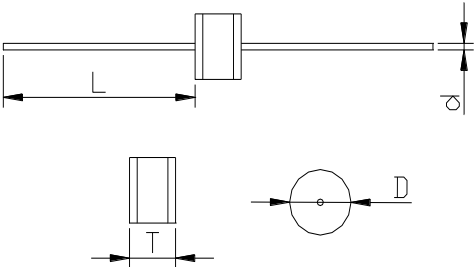
2. MARKING



3. Outline Drawing

Unit: mm

Item	Dimensions
D	8.0 +0.3,-0.5
T	6.0 +0.3,-0.5
d	0.8±0.05
L	20Min.



Product : Gas Discharge Tube

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4. SPECIFICATION

4.1ELECTRICAL SPECIFICATION

Model Name	DC Breakdown Voltage (V)	Maximum Impulse Breakdown Voltage (V)		Maximum Impulse Discharge Current (8/20 μ s) (KA)		Normal Alternating Discharge Current (A)		Impulse Life (10/1000 μ s) (100A)	DC Holdover Voltage (V)	Minimum Insulation Resistance (G Ω)	Maximum Capacitance (pf)
	100V/s	100V/ μ s	1000V/ μ s	1 time	10 times	50Hz, 1sec	Single 9cycles	times	<150ms	Note 2	1MHZ
2R090H	90 $\pm$ 20%	500	600	25	20	20	65	500	52	10	1.5

Note1 : UL497B Recognized File #E223314

Note 2 : DC Breakdown Voltage

DC Measuring Voltage

70-150V

50V

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

Product : Gas Discharge Tube

Part No.: 3-ACPA2R-090HB6L2

5. Terms and Definitions

Item	Test Condition / Description												
DC Breakdown Voltage	The voltage measured at a rise time of 100v/s.												
Maximum Impulse Breakdown Voltage	The maximum breakdown voltage at rise times of 100v/us and 1000v/us.												
Maximum Impulse Discharge Current	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 $\pm 25\%$ from its initial measured DC breakdown voltage. Dwell time between pulses is 3 minutes.												
Alternating Discharge Current	Rated RMS value of AC current at 50Hz, 1 sec. 10 times. Intervals: 3min. DC breakdown voltage may not change more than $\pm 25\%$ from its initial measured DC breakdown voltage. IR > 10^8 ohms (-20%, +30% for 70 – 90V).												
DC Holdover Voltage	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.												
Insulation Resistance	The resistance of the gas tube shall be measured each terminal to each other terminal. <table> <tr> <th>DC Breakdown Voltage</th><th>Measuring Voltage</th></tr> <tr> <td>70-150V</td><td>50V</td></tr> <tr> <td>151-400V</td><td>100V</td></tr> <tr> <td>401-1000V</td><td>250V</td></tr> <tr> <td>1001-2000V</td><td>500V</td></tr> <tr> <td>> 2001V</td><td>1000V</td></tr> </table>	DC Breakdown Voltage	Measuring Voltage	70-150V	50V	151-400V	100V	401-1000V	250V	1001-2000V	500V	> 2001V	1000V
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70-150V	50V												
151-400V	100V												
401-1000V	250V												
1001-2000V	500V												
> 2001V	1000V												
Capacitance	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.												