


规格书

SPECIFICATION

客户 CUSTOMER	立创商城
客户料号 CUSTOMER P/N	
规格描述 DESCRIPTION	90V/8*10/3PIN/F4.4/L7.5/20KA/10次
产品编码 PART NUMBER	3-ACPA3R-090B10CL1
日期 DATE	2025-08-05

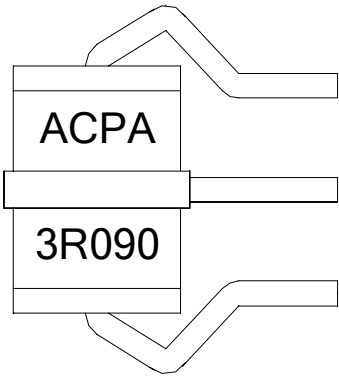
德尔创承认栏 APPROVED BY DERSONIC			客户承认栏 APPROVED BY CUSTOMER	
批准 APPROVED BY	审核 CHECK BY	制订 FORMULATE BY	批准 APPROVED BY	审核 CHECK BY
				

东莞市德尔创电子有限公司

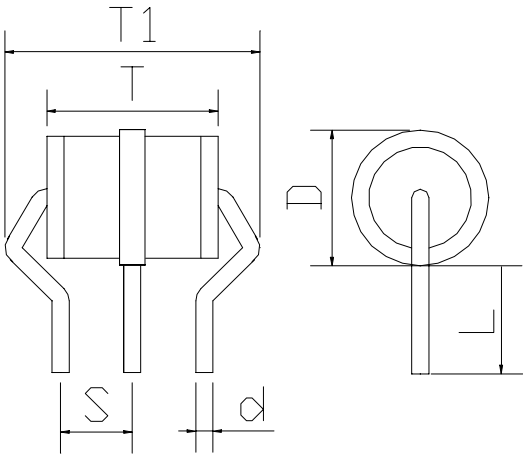
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1. MARKING



2. Outline Drawing



Unit: mm

Item	Dimensions	
	Spec.	Tolerance
D	8.0	+0.2,-0.8
T	10.0	±0.5
T1	13.4	+0.8,-0.5
L	7.5	±0.5
S	4.4	±0.4
d	1.0	±0.05

			Rev. 1.0	
Product : Gas Discharge Tube		Part No.: 3-ACPA3R-090B10CL1		Page 2 / 3

3. SPECIFICATION

ELECTRICAL SPECIFICATION

Model Name	DC Breakdown Voltage	Maximum Impulse Breakdown Voltage		Maximum Impulse Discharge Current	Alternating Discharge Current	Impulse Life	DC Holdover Voltage	Minimum Insulation Resistance	Maximum Capacitance
	(V)	(V)		(8/20 μ s) (KA)	(A)	(10/1000 μ s) (200A)	(V)	(G Ω)	(pf)
	100V/s	100V/ μ s	1000V/ μ s	10 times 5 times each polarity	50HZ, 1sec	times	< 150ms	Note1	1MHZ
3R090	90 \pm 20%	600	700	20	20	130	52	10	2

Note1 : UL497B Recognized, File E223314

Note2 : DC Breakdown Voltage DC Measuring Voltage

70-90V	50V
145-400V	100V
420-600V	250V

3.2 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

		Rev. 1.0	
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4. ELECTRICAL RATING

Item	Test Condition / Description		Requirement
DC Breakdown Voltage	The voltage measured at a rise time of 100v/s.		To meet the specified value
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 ±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 ±25% from its initial measured DC breakdown voltage. IR > 10 ⁸ ohms (-20%, +30% for 70 – 90V).		
Impulse Life	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.		
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.		
	DC Breakdown Voltage	Measuring Voltage	
	70-150V	50V	
	151-400V	100V	
	401-1000V	250V	
	1001-2000V	500V	
	2001-6000V	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.		