

	Control date	ACPA	Document No.	ABS-23-002.36
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2 Elements AC Series

ACPA 2RC Φ8mm ,6mm&8mm long

1.0、Specification tabl

Model Name	DC Breakdown Voltage	Maximum Impulse Breakdown Voltage		Maximum Impulse Discharge Current (8/20μs)		Alternating Discharge Current		Maximum Follow On Current Amps	Arc Voltage (On state voltage) @ 1 Amp Min	Minimum Insulation Resistance	Maximum Capacitance (1MHz)
	(100V/S)	100V/μs	1KV/μs	1 time	10 times	50Hz, 1Sec	Single 9cycles			Note3	
	(V)	(V)	(V)	(KA)		(A)				Note 4	
2RC-280	280±20%	500	550	10	5	5	65	200	~25	10	1.5
2RC-600	600±20%	1100	1200	10	5	5	65	200	~25	10	1.5
2RC-800	800±20%	1300	1500	10	5	5	65	200	~25	10	1.5
2RC-1000	1000±20%	1400	1500	10	5	—	—	200	~25	10	1.5
2RC-1100	1100±20%	1600	1700	10	5	—	—	200	~25	10	1.5
2RC-1200	1200±20%	1700	1800	10	5	—	—	200	~25	10	1.5
2RC-1300	1300±20%	1800	1900	10	5	—	—	200	~25	10	1.5
2RC-1500	1500±20%	1800	2000	10	5	—	—	200	~25	10	1.5
2RC-2000	2000±20%	2500	2750	10	5	—	—	200	~25	10	1.5
2RC-2500	2500±20%	3200	3500	10	5	—	—	200	~25	10	1.5
2RC-2700	2700±20%	3600	4000	10	5	—	—	200	~25	10	1.5
2RC-3000	3000±20%	4000	4200	10	5	—	—	200	~25	10	1.5
2RC-3300	3300±20%	4600	4700	10	5	—	—	200	~25	10	1.5
2RC-4000	4000±20%	5800	6000	10	5	—	—	200	~25	10	1.5
2RC-4500	4500±20%	6150	6500	10	5	—	—	200	~25	10	1.5
2RC-5000	5000±20%	7500	8000	10	5	—	—	200	~25	10	1.5
2RC-6200	6200±20%	8100	9500	10	5	—	—	200	~25	10	1.5
2RC-6500	6500±20%	9500	10000	10	5	—	—	200	~25	10	1.5
2RC-7500	7500±20%	10000	10600	10	5	—	—	200	~25	10	1.5

Note 1:UL1449 C-UL 4th Recognized, File E315423

Note2:2RC280V~2RC3300V T:6±0.2;2RC4000V~2RC7500V T:7.9±0.3

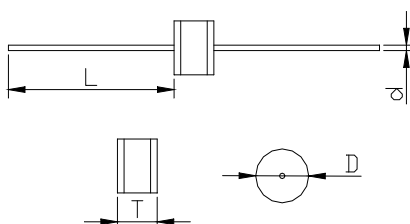
Note3: Insulation resistance test condition:

DC Breakdown Voltage	DC Measuring Voltage
70-150V	50V
151-400V	100V
401-1000V	250V
1001-2000V	500V
>2001V	1000V

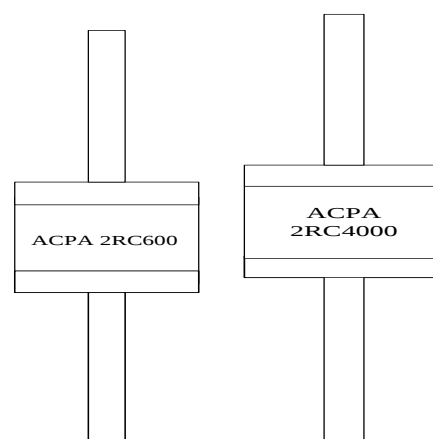
Note 4 :Follow current has to be limited by a suitable MOV in series

2.0、Dimensions

Item	Dimensions(mm)
D	8.0 + 0.3,-0.5
T	6.0 ± 0.2
	7.9 ± 0.3
d	0.8 ± 0.05
L	20min.



3.0、Marking



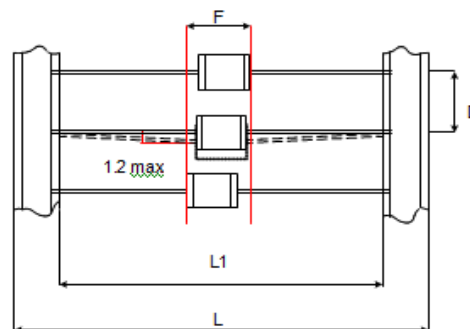
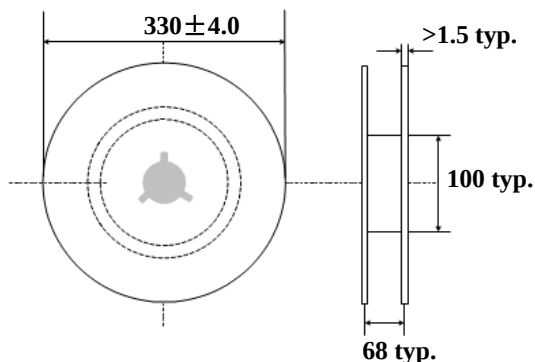
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4.0. Package Description

Ltem	Bulk Packag		Tape Reel	
	Dimensions(mm)	Quantity(Pcs)	Dimensions(mm)	Quantity(Pcs)
PS box	264.76×145×10	100	N/A	N/A
Reel	N/A	N/A	As Figure	500
Inner box	270×145×50	500	350×155×355	1000
Carton	310×280×275	5000	650×385×390	4000

TR Dimensions

Ltem	Dimensions(mm)
L	64±3
L1	52±2
D	10±0.5
F	Max(long +1.4)



5.0. Warehouse storage condition

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.													
Minimum 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>DC 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	DC Measuring Voltage	70-150V	50V	151-400V	100V	401-1000V	250V	1001-2000V	500V	>2001V
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70-150V	50V													
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1001-2000V	500V													
>2001V	1000V													
Maximum 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.													

6.0. Storage period: One year