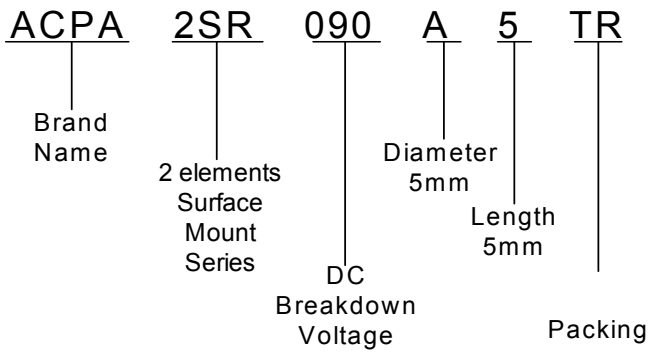
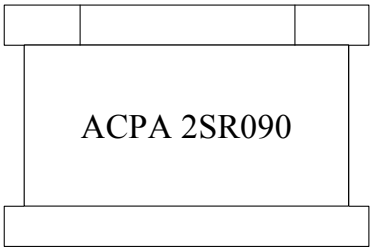
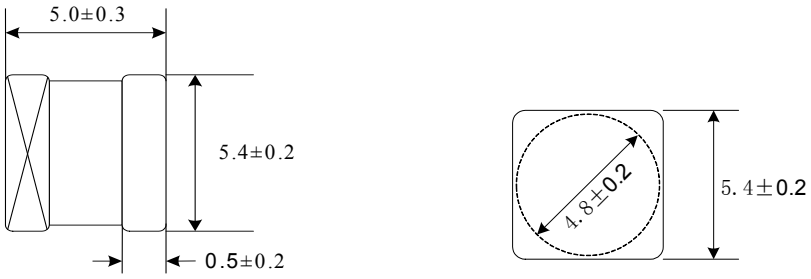
1. PART NUMBER CODE



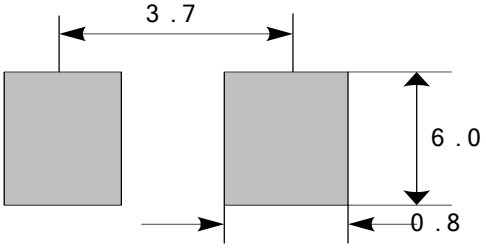
2. MARKING



3. Outline Drawing



Recommended Pad Size



4. SPECIFICATION

ELECTRICAL SPECIFICATION

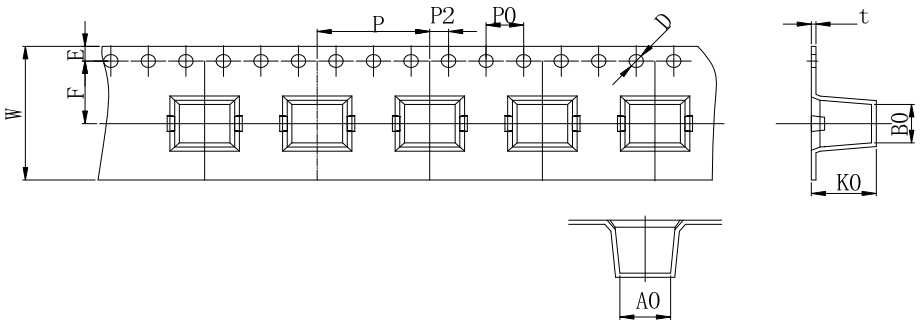
DC Breakdown Voltage (V)	Maximum Impulse Breakdown Voltage (V)		Maximum Impulse Discharge Current (8/20 μs) (KA)		Alternating Discharge Current (A)		Impulse Life (10/100μs) (100A)	DC HOLDOVER VOLTAGE (V)	Minimum Insulation Resistance (GΩ)	Maximum Capacitance (pf)
100V/s	100V/μs	1000V/μs	1 time	10time	50Hz, 1 sec	Single 9 cycles	times	<150ms	50V	1MHz
90±20%	600	700	10	5	5	15	300	52	1	0.5

Note1 : DC Breakdown Voltage **DC Measuring Voltage**

90V 50V

◆ Taping

unit :mm



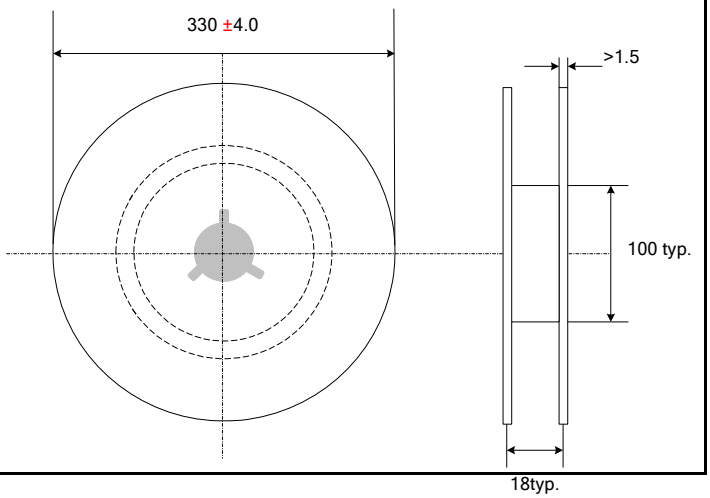
W	16.0±0.3	P2	2.0±0.1
E	1.75±0.1	A0	5.8±0.1
F	7.5±0.1	B0	5.4±0.1
D	1.55±0.05	K0	5.5±0.1
P	12.0±0.1	t	0.5±0.5
P0	4.0±0.1		

Packing Quantity : 900pieces per reel (13")

3 reels per inner box

5 inner boxes per carton

13,500 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>401-1000V</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>