

1. PART NUMBER CODE

SMD4532 - 400

2 Elements
Surface Mount
Chip Series

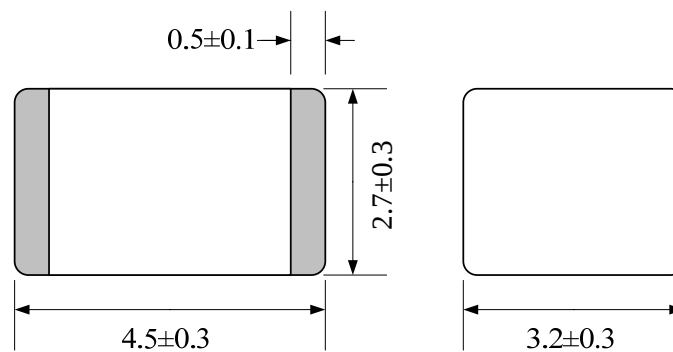
DC
Breakdown
Voltage

2. MARKING

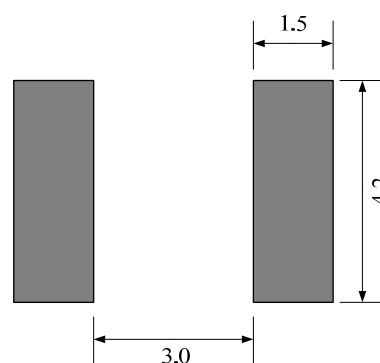


3. Outline Drawing

Unit : mm



Recommended Pad Size



4. SPECIFICATION

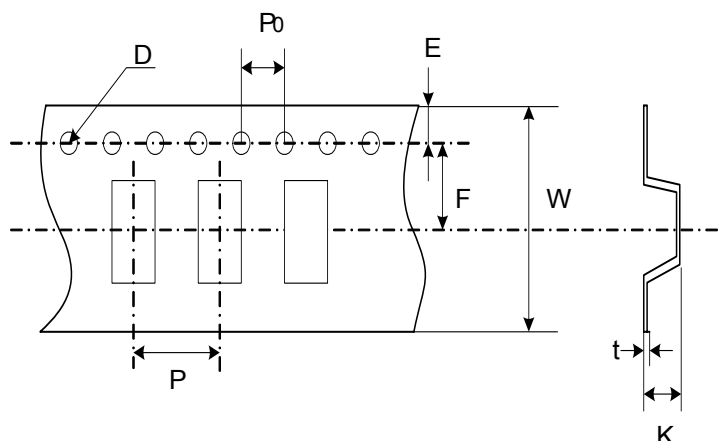
ELECTRICAL SPECIFICATION

Model	DC Breakdown Voltage	Impulse Discharge Current	Impulse Withstanding Voltage Capacity	Impulse Life Test	Insulation Resistance	Capacitance (1MHz 1V)
SMD4532-400	280~520	8/20 us 2000A Positive/Negative 5 Times	10/700 us 6kV Positive/Negative 5 Times	8/20 us 100A 300Times	100MΩ Min (DC 100V)	0.5pF Max.

Taping & Reel Specifications

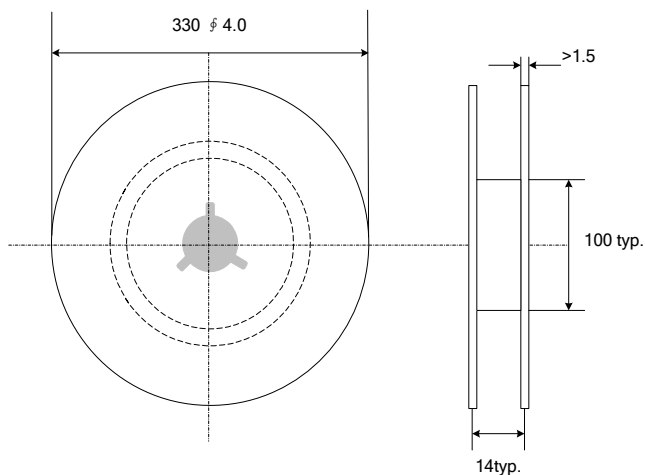
unit :mm

Item	Spec
P	8.0±0.1
P0	4.0±0.1
W	12.0±0.3
F	5.50.1
E	1.75±0.1
D	Φ1.55±0.05
K	3.1±0.1
t	0.4±0.05



Quantity: 2500 pcs per reel (13")
 3 reels per inner box
 5 inners box per carton
 37,500 pcs per full carton

Reel



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ACPA Technology Co., LTD		Rev. 1.0	
Product : Gas Discharge Tube	Part No.: ACPA 4532-400LF TR	Page	3 / 3

5. 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 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	
	10001-2000V	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 onnected to a ground plane.		