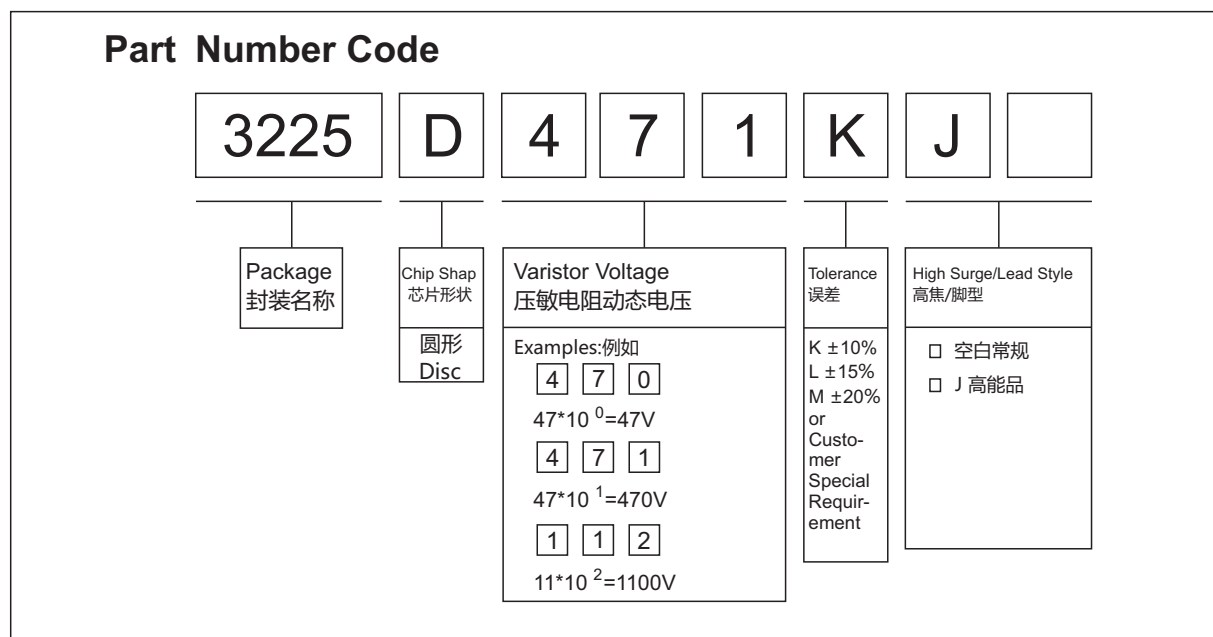


Applications

- Surge protection in consumer electronics.
- Surge protection in industrial electronics.
- Surge protection in electronics home
- Appliances, gas and petroleum appliances.
- Relay and electromagnetic valve surge absorption

Features

- Wide operating voltage (V_{1mA}) range from 470V
- Fast responding to transient over-voltage
- Large absorbing transient energy capability
- Low clamping ratio and no following-on current



Characteristics at Ta = 25°C

Type Number		Marking		Maximum Allowable Voltage		Varistor Voltage V _{1mA}	Maximum Clamping Voltage		Withstanding Surge Current		Maximum Energy		Rated Power W	Typical Capacitance (Reference) @1KHz(pF)
				V _{AC}	V _{DC}		I _T	V _C	I(A) Standard	I(A) High Surge	(J) Standard	(J) High Surge		
Standard	High Surge	Standard	High Surge	V	V	V	A	V						
3225D471K	3225D471KJ	3225D471K	3225D471KJ	300	385	470(410~470)	5	810	400	800	15	21	0.1	55



Mechanical Requirements

Solderability	Min. 95% of The Terminal Should Be Covered With Solder Uniformly	Solder Temp:265±5°C Immersed Time: 2±0.5Sec.
Resistance of soldering heat	$\Delta V1mA/V1mA \leq \pm 10\%$	Solder Temp: 260±5°C
		Immersed Time: 10±1Sec.

Environmental Requirements

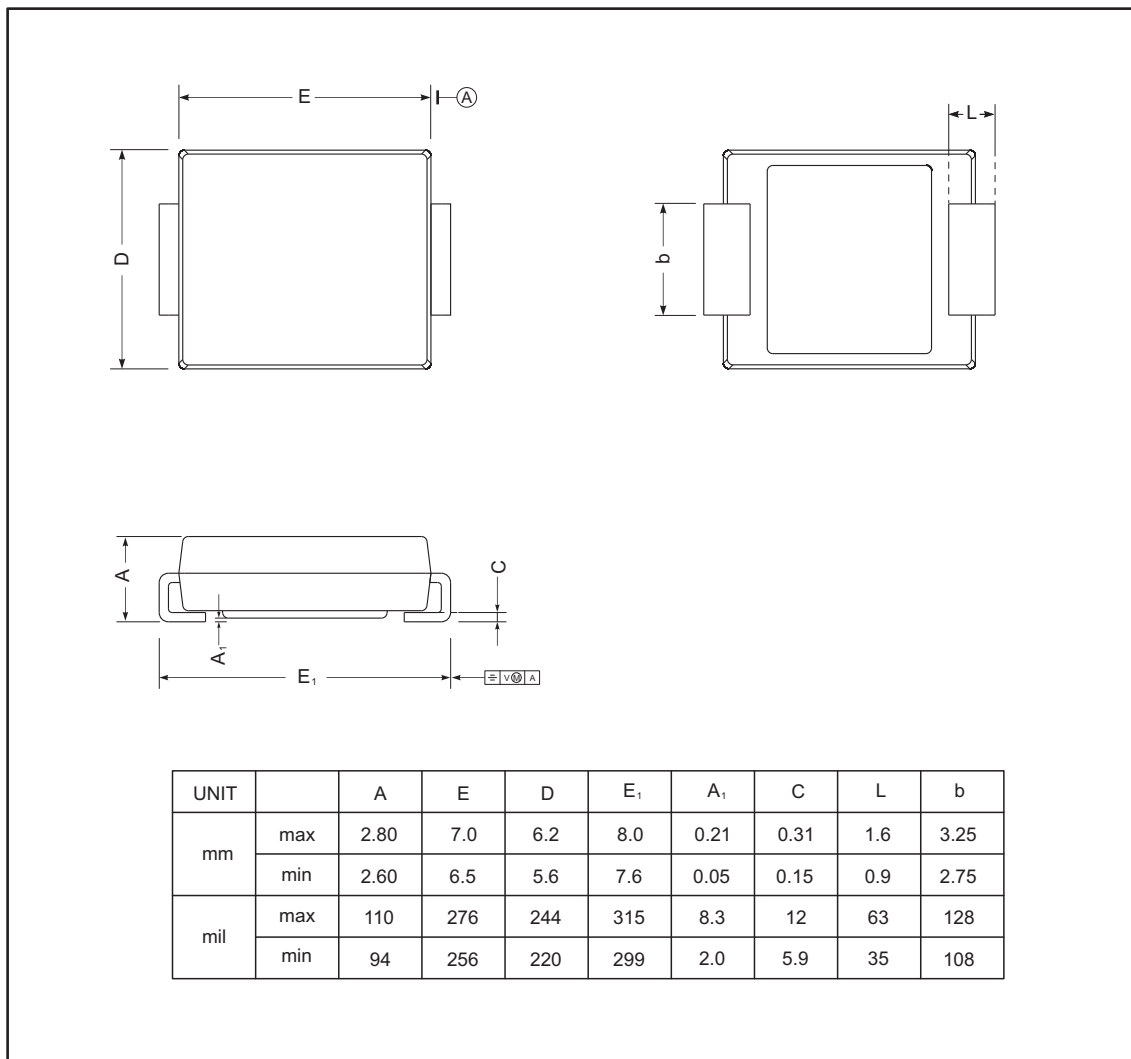
High Temperature Storage	$\Delta V1mA/V1mA \leq \pm 10\%$	Ambient Temp: 125±2°C Duration:1000h		
Low Temperature Storage	$\Delta V1mA/V1mA \leq \pm 10\%$	Ambient Temp: -40±2°C Duration:1000h		
High Humidity Storage/Damp Heat	$\Delta V1mA/V1mA \leq \pm 10\%$	Ambient Temp: 40±2°C 90-95% R.H. Duration:1000h		
High Temperature Load	$\Delta V1mA/V1mA \leq \pm 10\%$	Ambient temp:85±2°C Duration:1000h Load: Max. Allowable Voltage		
Damp Heat Load/ Humidity Load	$\Delta V1mA/V1mA \leq \pm 10\%$	1.Temperature : 40±2°C 2.Humidity : 90~95% RH 3.Rated working voltage applied 4.Time : 500±2 hours 5.Test after placing in ambient temperature for 24 hours.		
Temperature Cycle	$\Delta V1mA/V1mA \leq \pm 10\%$	Step	Temperature	Period
		1	-50°C	30min
		2	Room Temp	15min
		3	125°C	30min
4	Room Temp	15min		
Operating Temperature Range	-40°C ~ +125°C	-40°C ~ +125°C		
Storage Temperature Range	-55°C ~ +125°C	-55°C ~ +125°C		



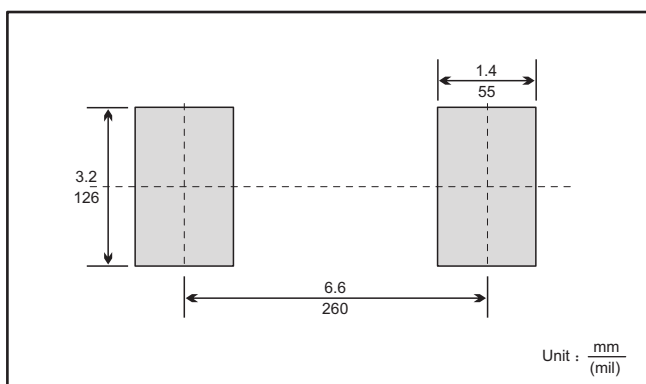
PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

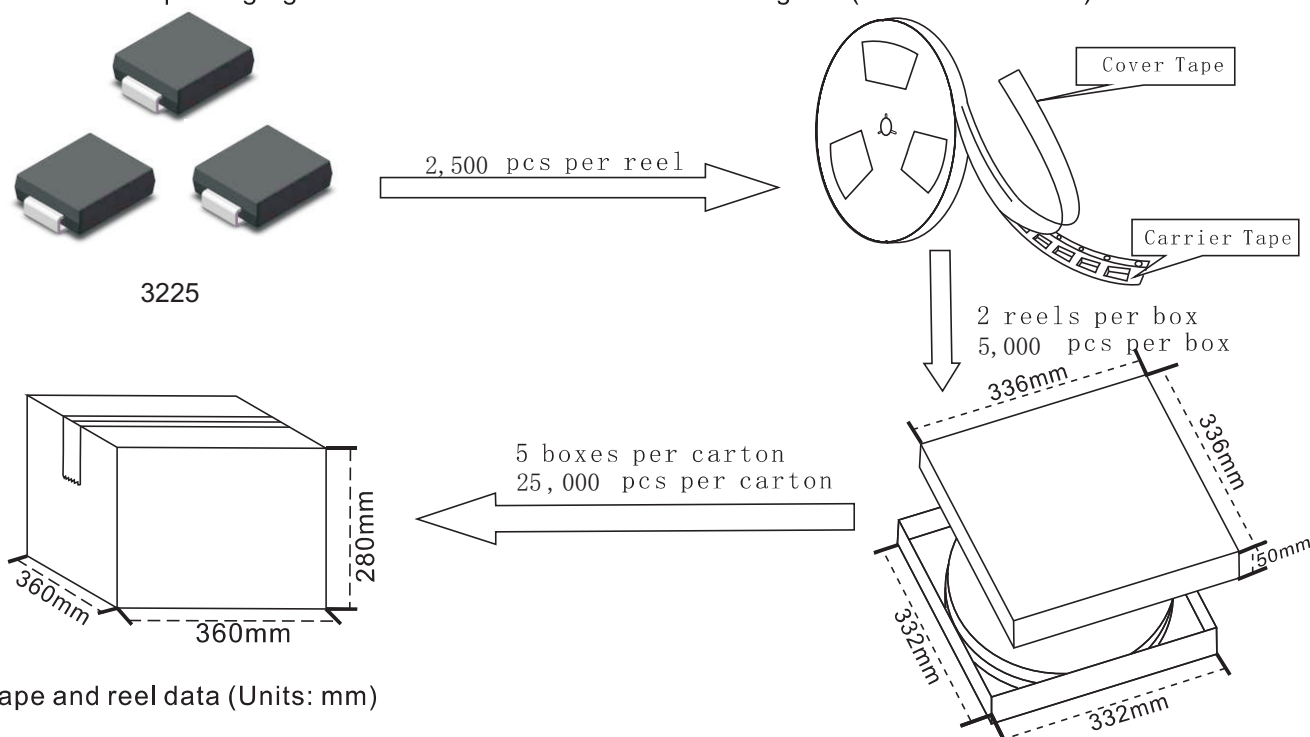
3225



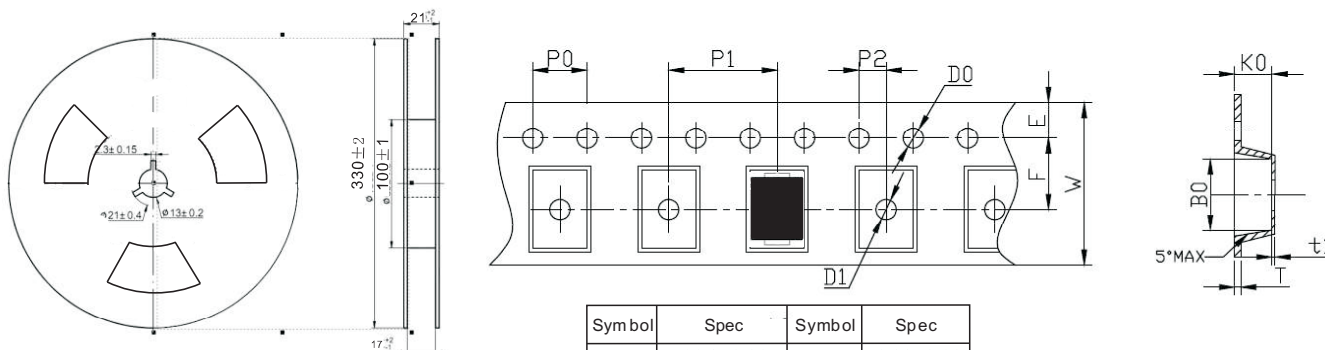
The recommended mounting pad size



1. The method of packaging and dimension are shown as below figure. (Dimension in mm)



2. Tape and reel data (Units: mm)



Symbol	Spec	Symbol	Spec
W	16.0±0.30	A0	6.22±0.10
E	1.75±0.10	B0	8.31±0.10
F	7.50±0.10	K0	2.49±0.10
D0	1.55±0.05	10P0	40.0±0.20
D1	1.50±0.25		
P0	4.0±0.10		
P1	8.0±0.10		
P2	2.0±0.05		
T	0.28±0.02		
t1	0.08以上		

3. Label

3.1 The information of inner box label must be listed: (Description of a sample label)



TYPE : Part number
 P/N: Customer part number
 QTY: Total quantity
 MARK: Marking code
 LOT-D/C: Lot number - Date code

3.2 The information of carton label must be listed

- 3.2.1 TYPE
- 3.2.2 QTY