

4. MECHANICAL SPECIFICATION

1) Terminal Strength

Lead pulling test

Conditions:	Load	907.2 gram
	Direction	To the downward
	Duration of applied force	5 seconds
Results:	There should be no distortion in appearance.	

Lead bending test

Conditions:	Load	453.6 gram
	Bending angle	90°to normal position
	Rate of bending	3 seconds in each cycle
	Number of bending	3
Results:	There should be no distortion in appearance.	

2) Lead solderability test

Conditions:	Dipping in solder(+230℃±5℃)for 5 seconds
Results:	More than 95% of surface being tested should be coated uniformly with solder.

3) Vibration test

Conditions:	Frequency	10 – 55Hz
	Amplitude	0.762mm
	Sweep	1.0 minute
	Duration	2 hours
Results:	Frequency and wave form of tested products must Remain within specifications.	

4) Drop test

Conditions:	Method of drop	Natural drop
	Dropping floor	Hard wood board
	Height	30cm
	Number of drops	3 times
Results:	Frequency and wave form of tested products must remain within specifications.	

5. ENVIRONMENTAL SPECIFICATION

1) Temperature test

Temperature cycling test

Conditions: Steps of cycle

- 1) At -55°C , 30 minutes
- 2) At $+25^{\circ}\text{C}$, 10 - 15 minutes
- 3) At $+85^{\circ}\text{C}$, 30 minutes
- 4) At $+25^{\circ}\text{C}$, 10 - 15 minutes

Number of cycles 3 times

Results: Frequency and wave form of tested products must remain within specifications.

Low Temperature test

Conditions: Temperature $-20^{\circ}\text{C} \pm 2^{\circ}\text{C}$
Length of test 96 hours

Results: There should be no stain on surface of products.
Frequency and wave form of tested products must remain within specifications.

2) Aging test

Conditions: Temperature $+85^{\circ}\text{C} \pm 20^{\circ}\text{C}$
Length of test 96 hours

Results: Deviation of frequency must be less than $\pm 3\text{ppm}$

3) Salt spray test

Conditions: Temperature $+35^{\circ}\text{C} \pm 2^{\circ}\text{C}$
Length of test 48 hours
NaCl % 5%

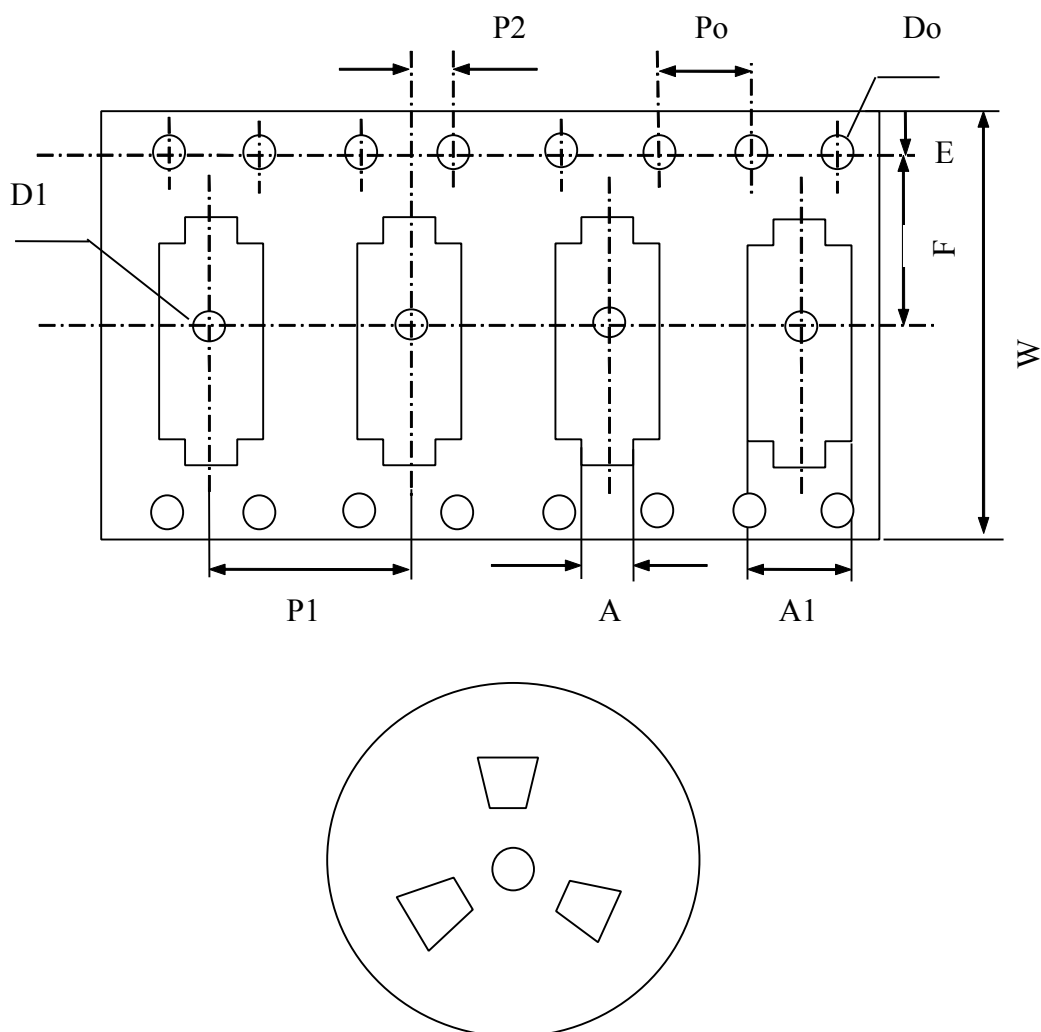
Results: There should be no stain on surface of products.

4) Humidity test

Conditions: Temperature $+40^{\circ}\text{C} \pm 2^{\circ}\text{C}$
Relative humidity 90 - 95%
Length of test 96 hours

Results: a. Insulation resistance must be 500 M Ω /100 Vac. minimum
b. Resistance and wave form must remain within specifications.

6. PACKAGE



Symbol	A	P1	P2	Po	Do	F	W
Dimensions	5.0	8.0 or 12.0	2.0	4.0	1.6	11.5	24.0
Symbol	E	D1					
Dimensions	1.8	2.2					

1000PCS / BOX (345X335X36)

10000PCS / CARTON (360X360X410)