



PRODUCT SPECIFICATION

Product Name: Piezo Buzzer

Part Number: MSPT30A35W100V9

Document No: _____

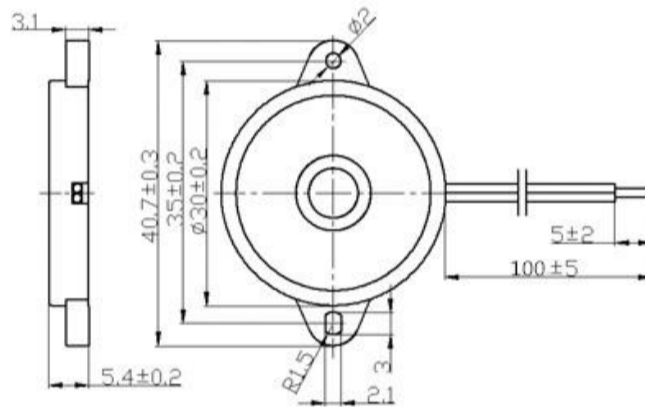
Date: 2021.05.29

DRAWING BY	CHECKED BY	APPROVED BY
CHEN YUAN	YUE QIN	JIN LI

1. SPECIFICATION

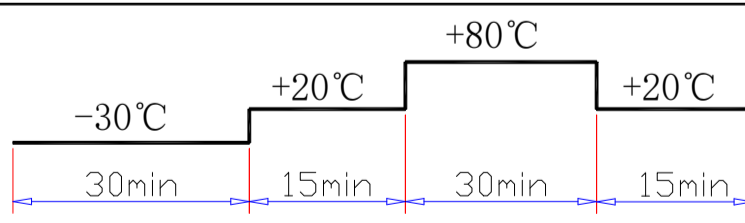
TYPE (UNIT)	MSPT30A13W100V12	MSPT30A35W100V9
Min. Sound Output at 10cm (dB)	85	88
Rated Voltage (Vp-p)	12	9
Operating Voltage (Vp-p)	1~40	1~40
Resonant Frequency (Hz)	1300+/-500	3500+/-500
Max. Current Consumption (mA)	3.5	3
Capacitance at 1,000HZ (pF)	45000+/-30%	20000+/-30%
Operating Temperature (C)	-20~+60	-20~+60
Storage Temperature (C)	-30~+70	-30~+70
Weight (g)	3.5	3.5

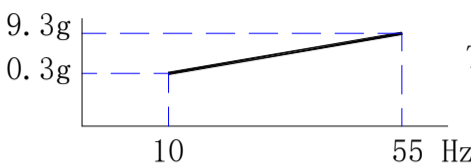
2. APPEARANCE DRAWING



(UNIT:MM)

3. ENVIRONMENTAL TEST

	Item	Specifications
3-1	Storage in High temp.	Storage in +85°C±2°C test box for 96 hours, then expose to the room temperature for 2 hours without applying power.
3-2	Storage in Low temp.	Storage in -40°C±2°C test box for 96 hours, then expose to the room temperature for 2 hours without applying power.
3-3	Storage in Humidity	Storage in +40°C±2°C 90-95%RH test box for 96 hours, then expose to the room temperature for 2 hours without applying power.
3-4	Thermal cycle test.	 <p>Make this test for 5 cycles without applying power, then expose to the room temperature for 2 hours.</p>

3-5	Vibration test	 <p>Amplitude: 1.5mm Time : 1min/axis</p> <p>Make this test for the directions of X, Y, Z for 2 hours each (total 6 hours).</p>
3-6	Drop test	Free drop a unit from the height 100cm to the surface of 10mm thick board ,three directions(X,Y,Z).
3-7	Solderability test	Soldering temp.: 260±5°C Heat applying time: 3±0.5sec.
<p>PASS CRITERION : After these tests , the change of S.P.L shall be within ±5 dB .</p>		

4. MEASURING METHOD (BUZZER MODE)

4-1 . Test Condition

4-1-1. STANDARD

Temperature : 25 ± 3°C

Relative humidity : 60% ~ 70%,

Atmospheric pressure : 860mbar to 1060mbar

4-1-2. JUDGEMENT

Temperature : 15 ~ 35°C

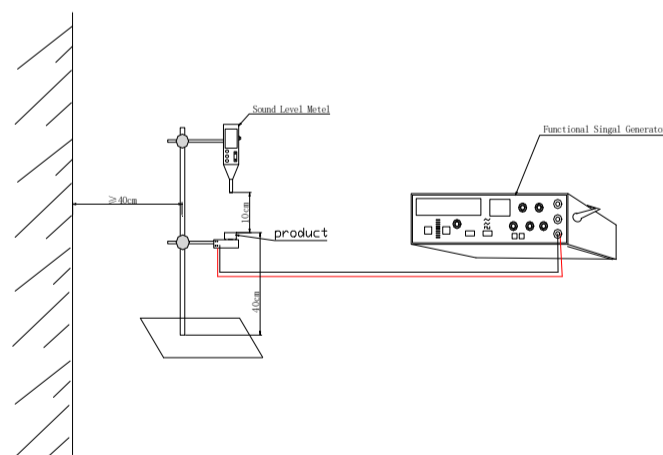
Relative humidity : 45% ~ 85%,

Atmospheric pressure: 860mbar to 1060mbar.

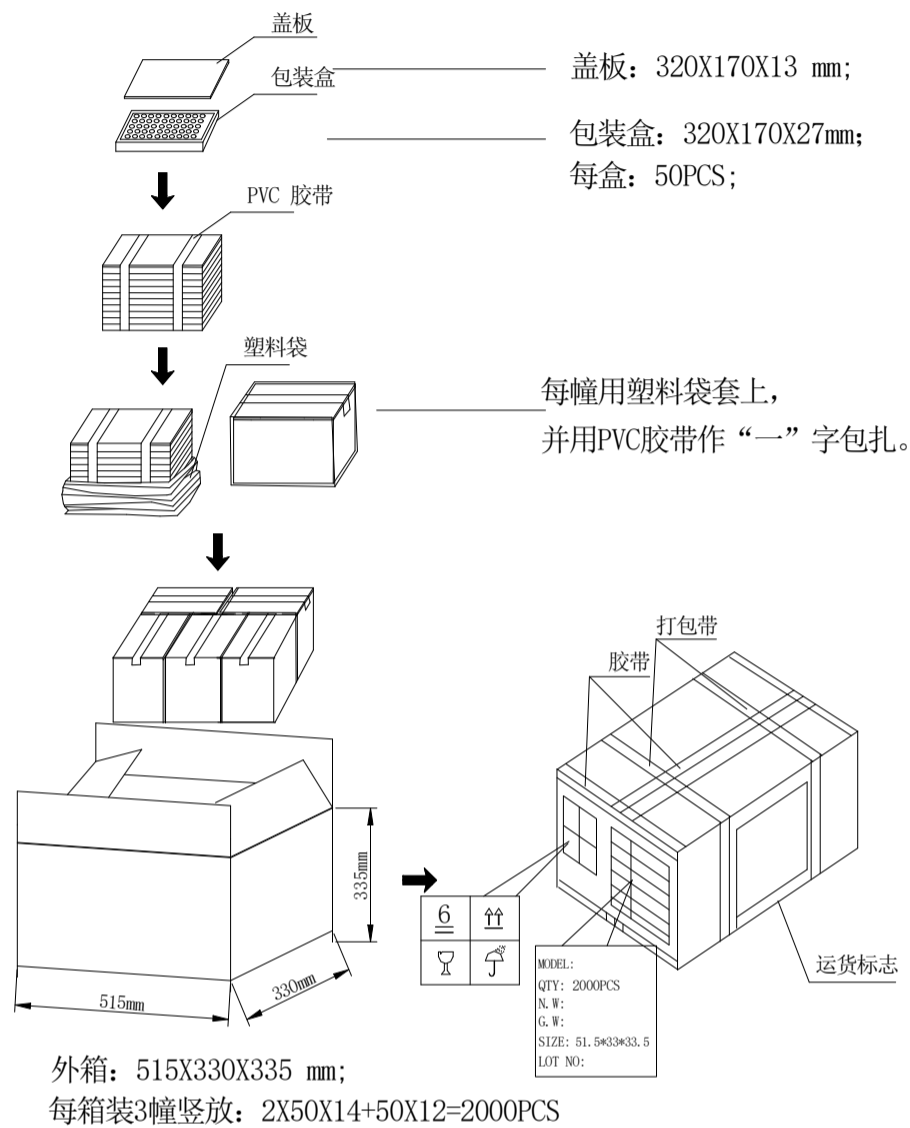
4-2. Standard Test Fixture

1. rated Voltage (Square wave): 10V

1. Resonant Frequency: 4000Hz



5.PACKING



外箱用PVC胶带作包扎，然后用包装带作平行包扎。
一箱装好后，根据要求填写内容。