

ROHS

SPECIFICATION OF PRODUCT

產 品 承 認 書

DESCRIPTION : SPEAKER

CHENGXUN P/N: PMB30P

PMB 피 엠 비 일 렉 텍
상표등록 <제40-0729433호> **PMB ELECTECH**

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Specification for speaker

1. CONDITION.

Test and measurement will be carried out under normal condition of temperature within 5°C to 35°C, relative humidity within 45% to 85% and air pressure of 860 mbar to 1060 mbar.

Should uncertainly arise in data obtained from the above atmosphere, control of temperature

at $20^{\circ}\text{C} \pm 2^{\circ}\text{C}$ and relative humidity within 60%and 70%, with air pressure remaining unchanged, to be enforced.

2. ELECTRICAL AND ACOUSTICAL SPECIFICATION.

2-1	Rated Input Power.	0.10W.
2-2	Max Input Power.	0.20W
2-3	Rated Impedance.	$8\Omega \pm 15\%$
2-4	Sound Pressure Level. (S.P.L)	Sound pressure level shall be indicated by the mean value of those measured at the specified frequencies. The sound pressure level shall be converted 0.1w,0.1m 75dB [W/M] ± 3 dB 1.0,1.2,1.5 KHz in average (0dB SPL=20 μ Pa)
2-5	Resonance Frequency (Fo).	$1200 \pm 20\%$ Hz
2-6	Frequency Range.	fo ~10kHz.
2-7	Weight.	8.5g

3.ENVIRONMENT TEST

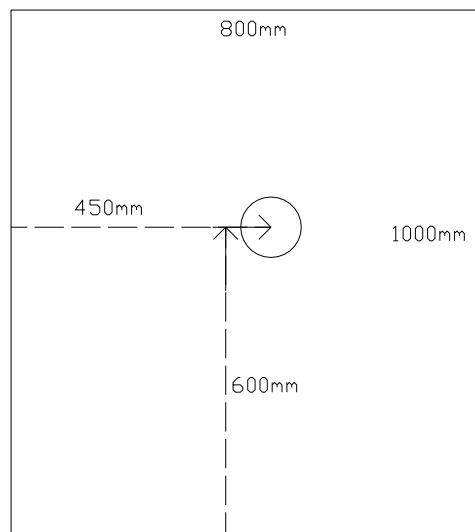


FIG.1

3. 1Block Diagram For Measurement Method.

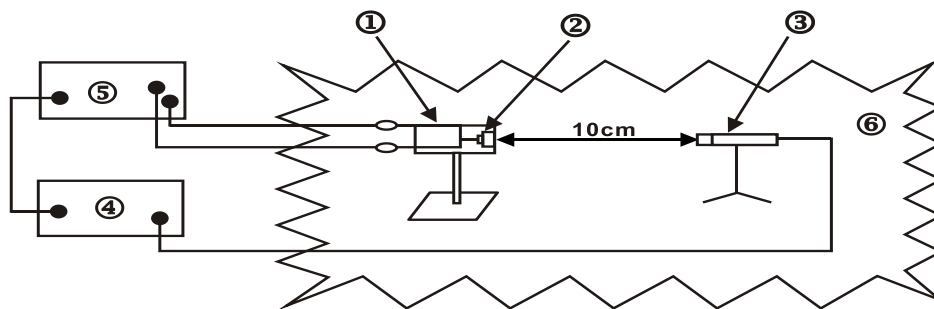


FIG.2

①Baffle Box

②Speaker

③Microphone

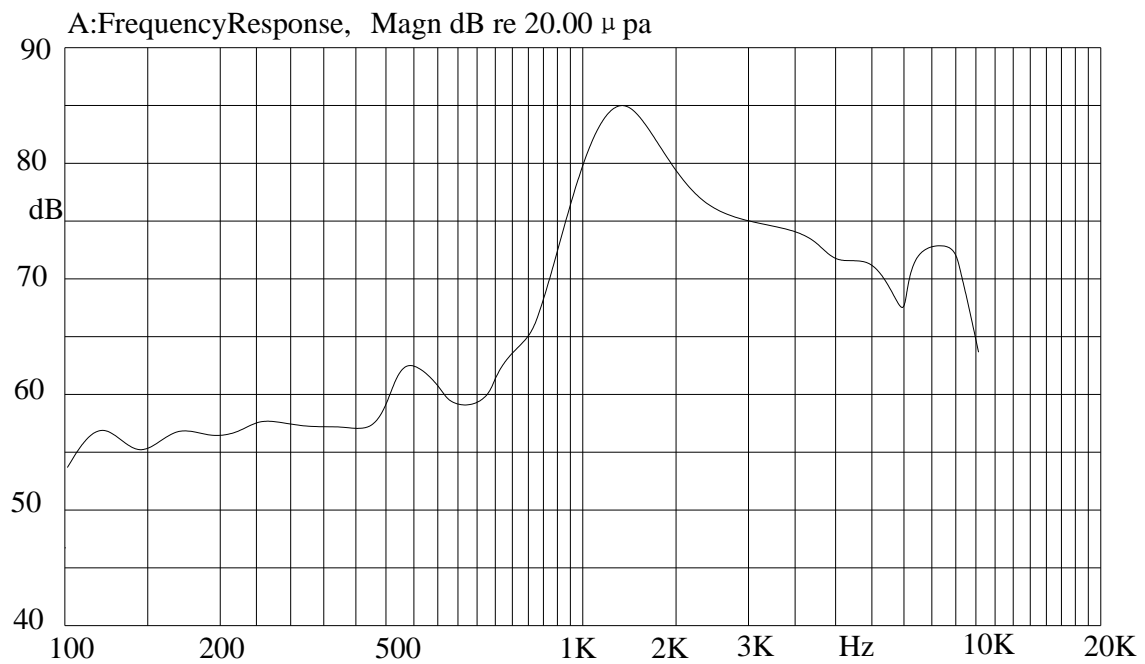
④Analyzer

⑤Amplifier

⑥Anechoic Room :FIG.1

4. Frequency Response :

The swept sine-wave frequency response of a Loud speaker should ideally not deviate more than indicated per Fig.3



Specification for speaker

5.Mechanical and Environment Characteristics

Being placed (5.1-5.5) for 6 hours at +25°C, receiver shall be measured. No obstacle to be harmful to normal operation; damages, cracks, rusts, etc.

Should not be audible at 1.1V, sine wave between Fo~10KHz. S.P.L.

deviation of unit should be within $\pm 3\text{dB}$

5.1 HIGH TEMPERATURE TEST

TEMPERATURE :+55°C

DURATION :96hours

5.2 LOW TEMPERATURE TEST

TEMPERATURE :-20°C

DURATION :96hours

5.3 TEMPERATURE CYCLE TEST

TEMPERATURE :-20°C +55°C

DURATION :2hours 2hours

CYCLE :5 cycles

5.4 HUMIDITY TEST

TEMPERATURE : +40°C

DURATION :90%(RH)

CYCLE :96hours

5.5 LOAD TEST

NOISE :white noise

DURATION :24hours

INPUT POWER :1.1V

(5.6-5.7)No obstacle to be harmful to normal operation; damages, cracks, rusts and distortions.

Should not be audible at 1.1V, sine wave between Fo~10KHz. S.P.L. deviation of unit should be within $\pm 3\text{dB}$

5.6 VIBRATION TEST

AFTER TEST,THE SENSITIVITY DIFFERENCE SHALL BE WITHIN $\pm 3\text{dB}$ at

1.0KHZ,1.2KHz,1.5KHz,2.0KHzAVERAGE

VIBRATION :10~55Hz/min

AMPLITUDE :1.5mm

DURATION :1hour in each of 3 axes

5.7 DROP TEST(under the unit)

AFTER TEST,THE SENSITIVITY DIFFERENCE SHALL BE WITHIN $\pm 3\text{dB}$ at

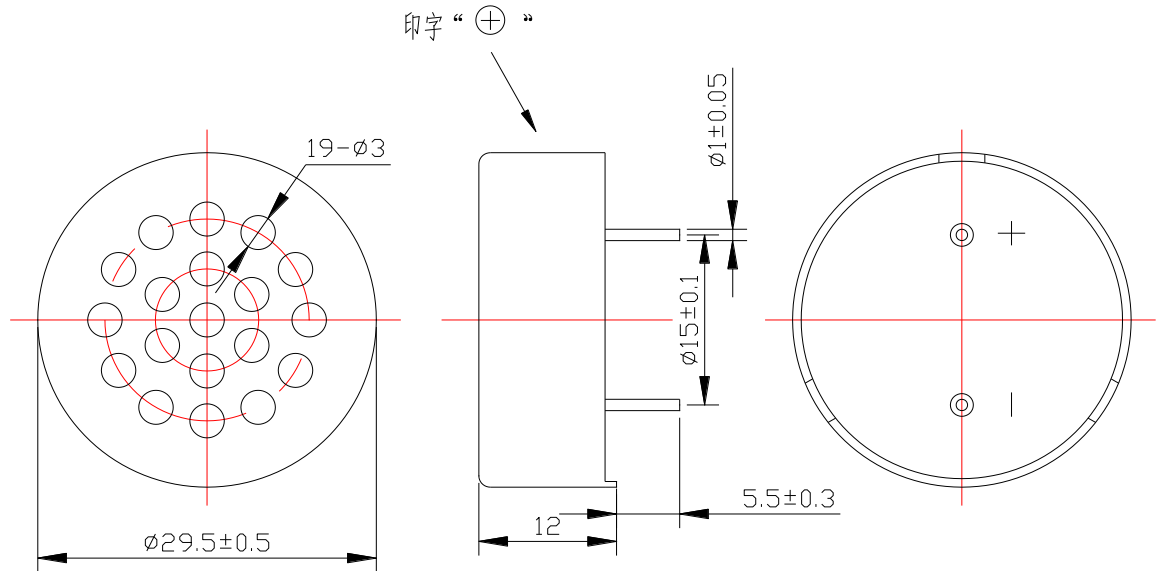
1.0KHZ,1.2KHz,1.5KHz,2.0KHzAVERAGE

HEIGH :1.m

CYCLES :10cycles

Specification for speaker

6.Dimensions

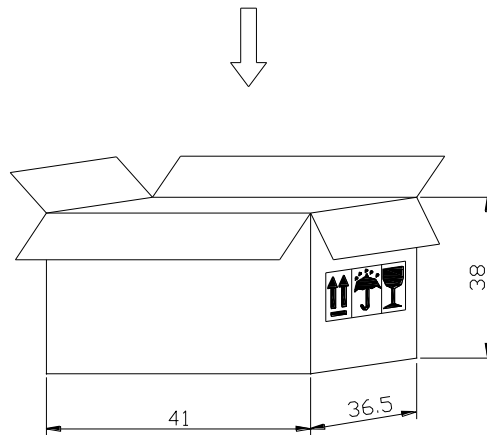
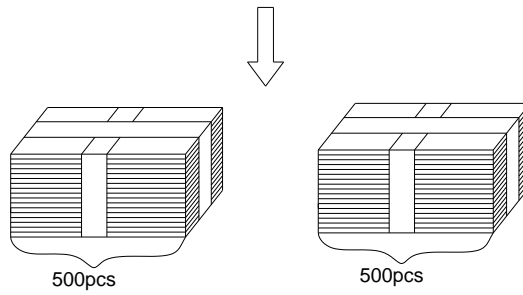
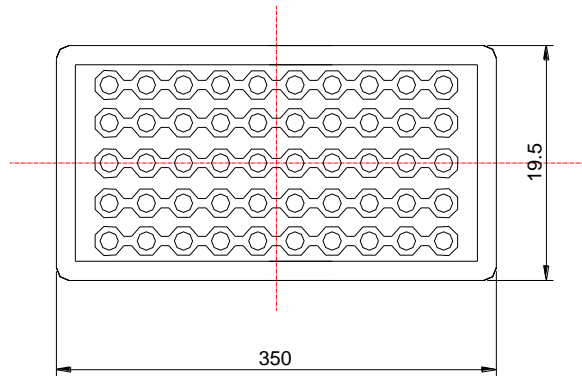


Unit:mm Tol:±0.5

8				
7	Case	1	PBT	
6	Diaphragm	1	Polyester	
5	VOICE COIL	1	Cu	
4	Plate	1	SPCC	
3	Magnet	1	Ferrite	
2	PCB Terminal	1	FR4	
1	Frame	1	PBT	
The material must be meet to GU-001				
PART NO.	PART NAME	Q'TY	MATERIAL	REMARK

Specification for speaker

7.Packing



Remark:

50pcs per tray

10 trays for unit, 2units per carton

Total:1000 pcs per box

Size:41*36.5*38cm