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Revision				

1. Scop

This specification is applied to the dynamic speaker which is used all of the electrical acoustic product.

-- compact, rich sound

-- applications: mobile phone, PDA, notebook computer, etc. ..

2. General

2.1 Out-Diameter: 77 mm

2.2 Height: 28 mm

2.3 Weight: 135 g

2.4 Operating Temperature range:

-20~+55℃ without loss of function

2.5 Store Temperature range:

-30~+60℃ without loss of function

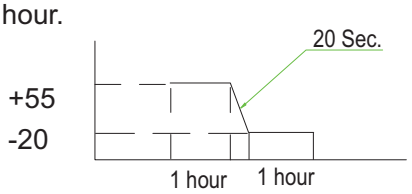
3. Electrical and Acoustic Characteristics

Test condition : 15 ~ 35 ℃, 25% ~ 85% RH, 860~1060 mbar

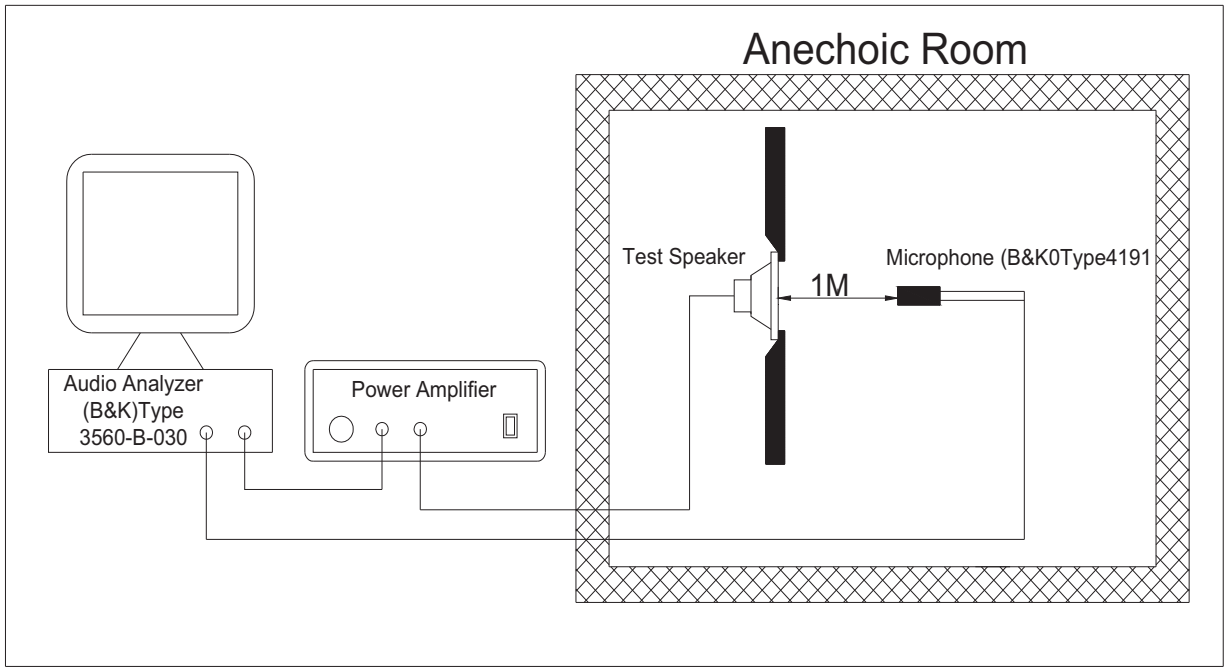
	Item	Specification
3.1	Impedance	25 Ω±10% (1V at 1000Hz)
3.2	Sound Pressure Level	87 ± 3 dB @ 1w/1m at 400,500,600,700 Hz-Avg.
3.3	Resonance Frequency	240 Hz±20%
3.4	Frequency Range	F0 ~20KHz
3.5	Input Power	Rated 2 W /Max. 4W
3.6	Buzz and Rattle	Should not be audible buzzes, rattles when the 5 V sine wave signal swept at frequency range.
3.7	Polarity	When supplied plus D.C. voltage to (+) terminal, the cone diaphragm must move to forward.

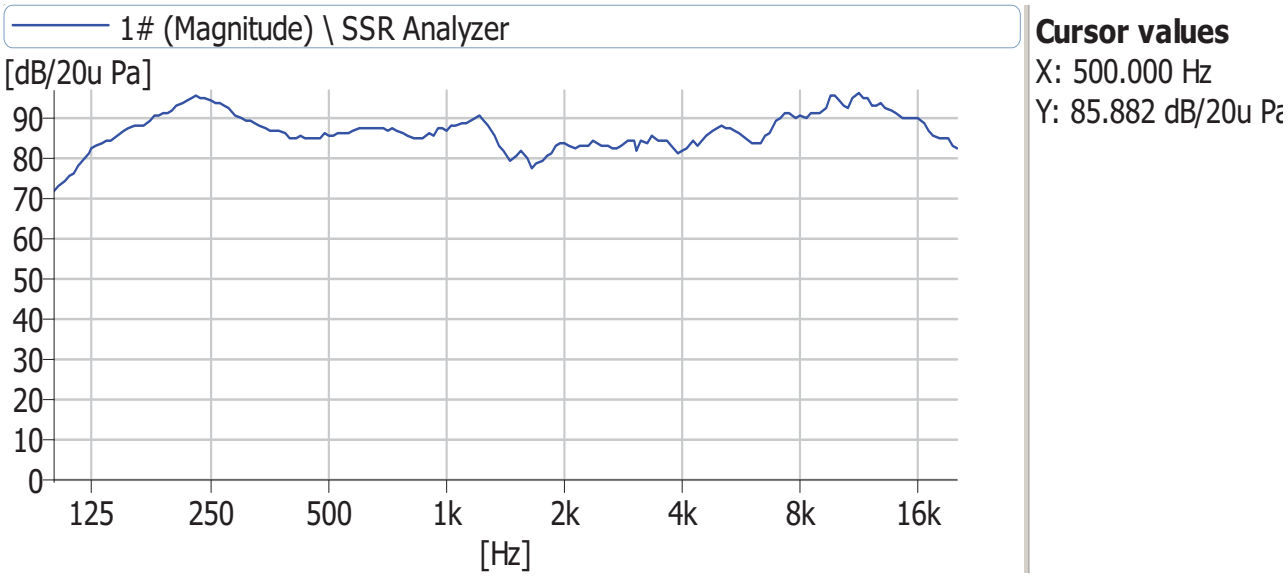
4. Reliability Test

After test(1~7item), the speaker S.P.L . difference shall be within ±3dB, and the appearance not exist any change to be harmful to normal operation(e.g. cracks, rusts, damages and especially distortion).

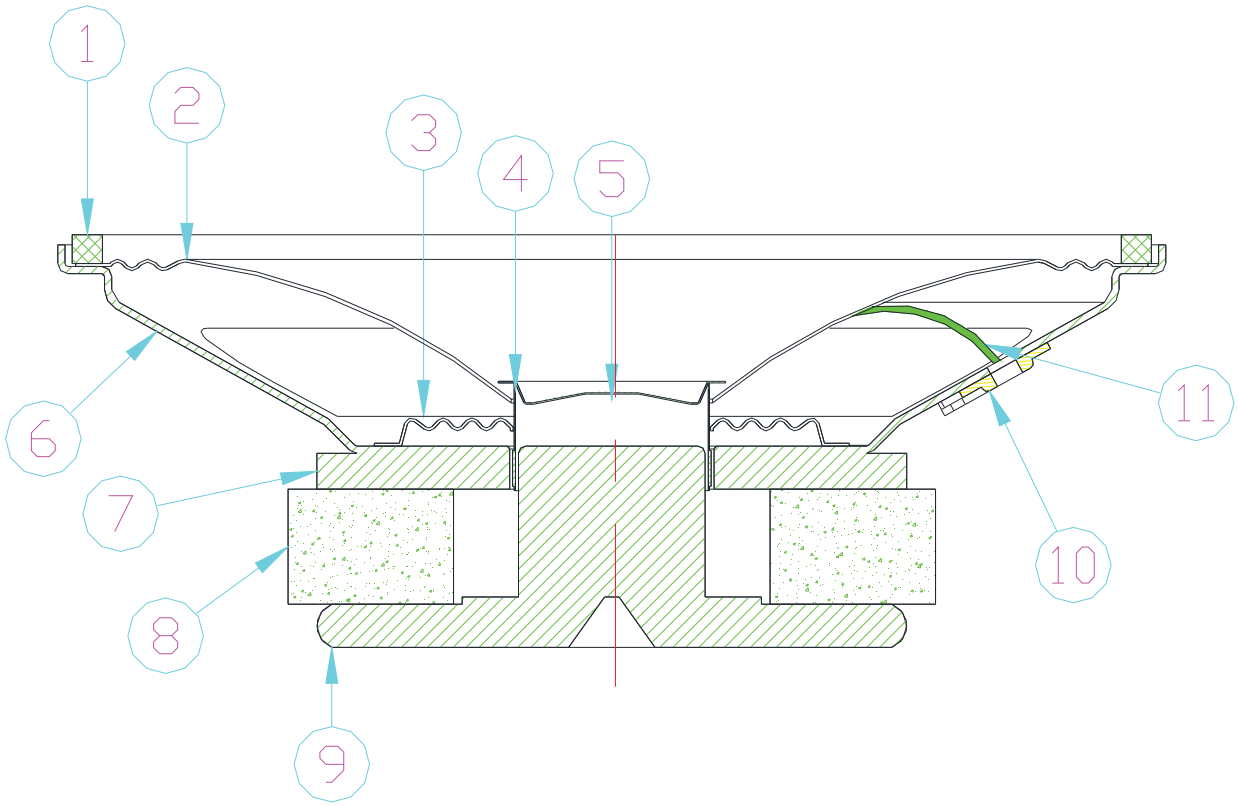
	Item	Specification
4.1	High Temperature Test	After being placed in a chamber with +60±2 ℃ for 48 h and then being placed in natural condition for 2h, sounder shall be measured.
4.2	Low Temperature Test	After being placed in a chamber with -30±3 ℃ for 48 hours and then being placed in natural condition for 2 hour, speaker shall be measured.
4.3	Humidity Test	After being placed in a chamber with90-95%R.H. at +40±5 ℃ for 48 hours and then being placed in natural condition for 2 hour, speaker shall be measured.
4.4	Thermal Shock Test	After being placed in a chamber at -20℃ for 1 hour, then speaker shall be placed in a chamber at +55℃ for 1 hour(1 cycle is the below diagram). After 6 above cycles, speaker shall be measured after being placed in natural condition for 2 hour. 
4.5	Vibration Test	After being applied vibration of amplitude of 1.5mm with 10 to50Hz band of vibration frequency to each of 3 perpendicular directions for 2 hour, then placed in natural condition for 2 hour, speaker shall be measured.
4.6	Drop Test	Package product to carton, from 1 M height , 6 directions fall to concrete
4.7	Load test	After being applied loading white noise with input power 2W (7Vrms.) for 96 hours, then placed in natural condition for 2 hour, speaker shall be measured.

5. Measurement Block Diagram & Response curve





6. Structure



No.	Part Name	Q'ty	Material	Remarks
11	Wire	2	copper	
10	Terminal	1	Paper +copper	
9	T yoke	1	SPCC	
8	Magnet	1	Ferrite Y30	
7	Top plate	1	SPCC	
6	Frame	1	SPCC	
5	Dust Cap	1	Paper	
4	Voice Coil	1	Paper +copper	
3	Spider	1	Cotton Yarn	
2	Cone	1	Paper	
1	Gasket	1	Paper	

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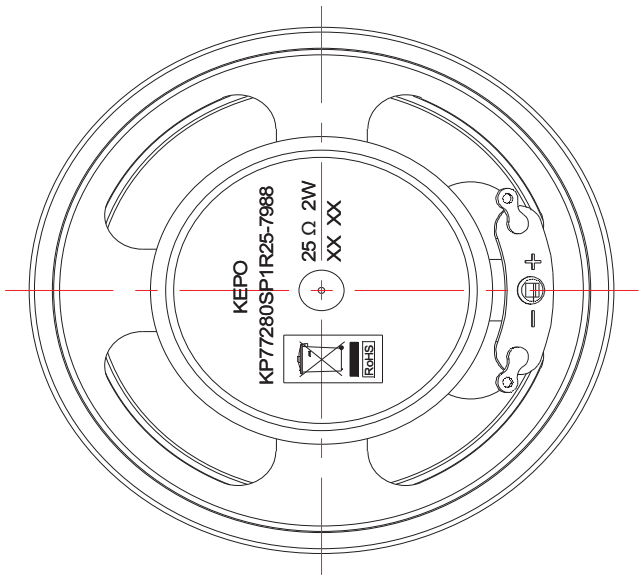
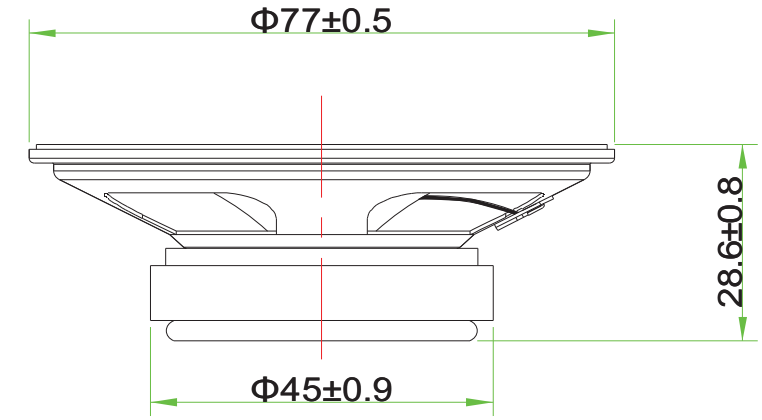
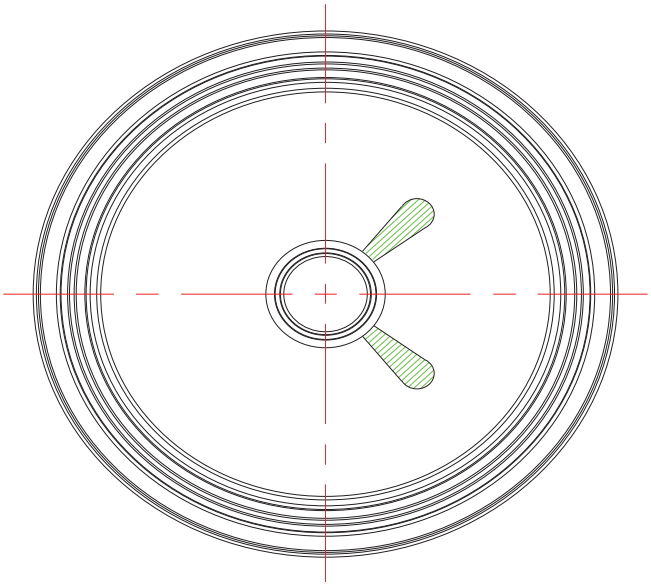
7. Dimensions



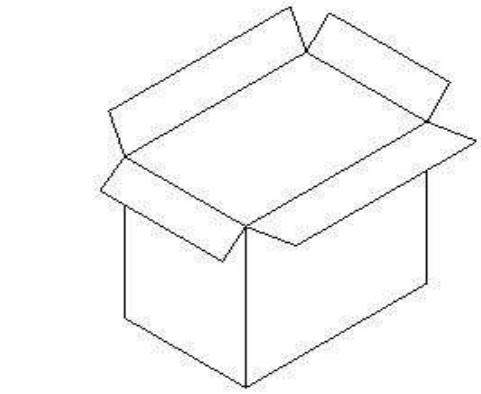


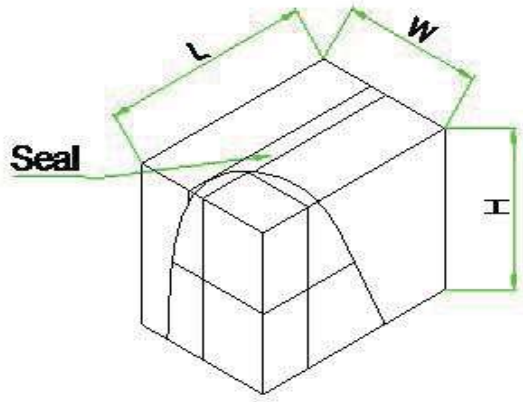


FIRST ANGLE PROJECTION ; Tolerance: ±0.5 UNIT: mm

8. Packing

Each minimum package unit of products shall be in a carton box and it shall be clearly marked with Part Number, quantity and outgoing inspection number.





数量：80pcs
外箱尺寸： 410X365X165mm