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1.	MODEL:	P45RW04-2 DYNAMIC SPEAKER
2.	Dimension	Outer Diameter 45*10mm.
		Height Refer to Fig 1 mm. Weight 28 Grams.
3.	Magnet	Materials NdFeB
4.	Impedance	4 Ω ± 15 % At 1000 Hz.
5.	Power Rating	Normal 1.5 W. Maximum 2.0 W.
6.	Lowest Resonant Frequency	150 ± 20% Hz at 1.0V measured by SUNLILAB® 7117C
7.	Output Sound Pressure (S.P.L.)	84 ± 3 db / 1.0Watt · 0.5Meter , Measured by B&K Type 2012
		At 800, 1000, 1200, 1500 HZ Average
8.	Frequency Range	90 ~ 4000 Hz. Average SPL -10db Refer to Fig. 2
9.	Distortion	5% Maximum at 1000 Hz 1 W.
10.	Abnormal Sound Test	Must be Normal Tested By 2.45 Volts. Sine Wave.
11.	Load Test	Pink Noise 2.45 Volts(RMS.) 96 hrs.
12.	Storage Temperature	- 25°C ~ + 70°C
13.	Operating Temperature	- 20°C ~ + 65°C

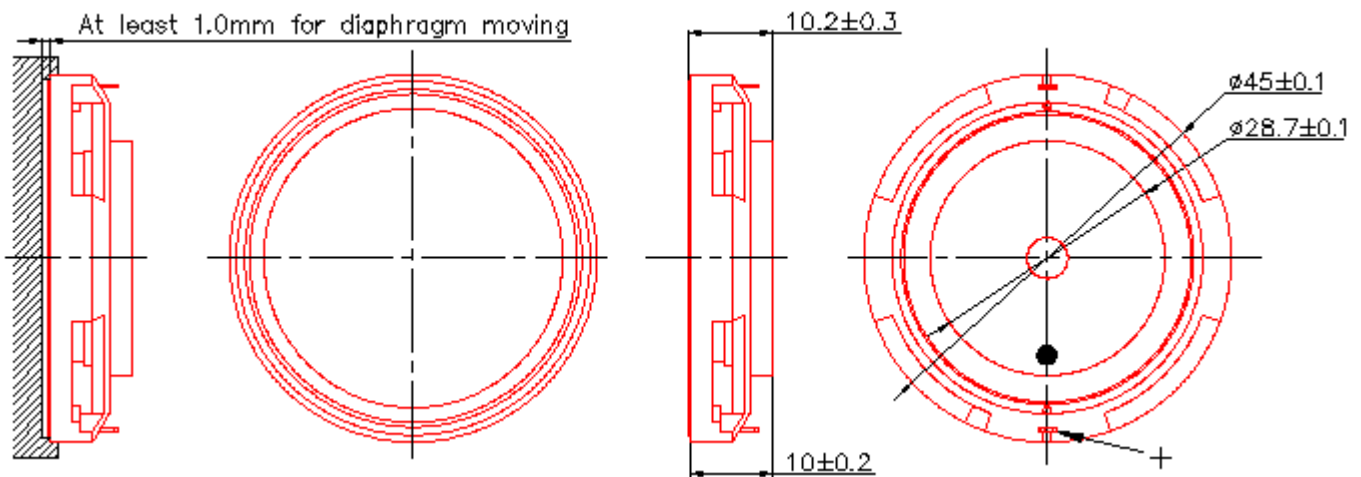
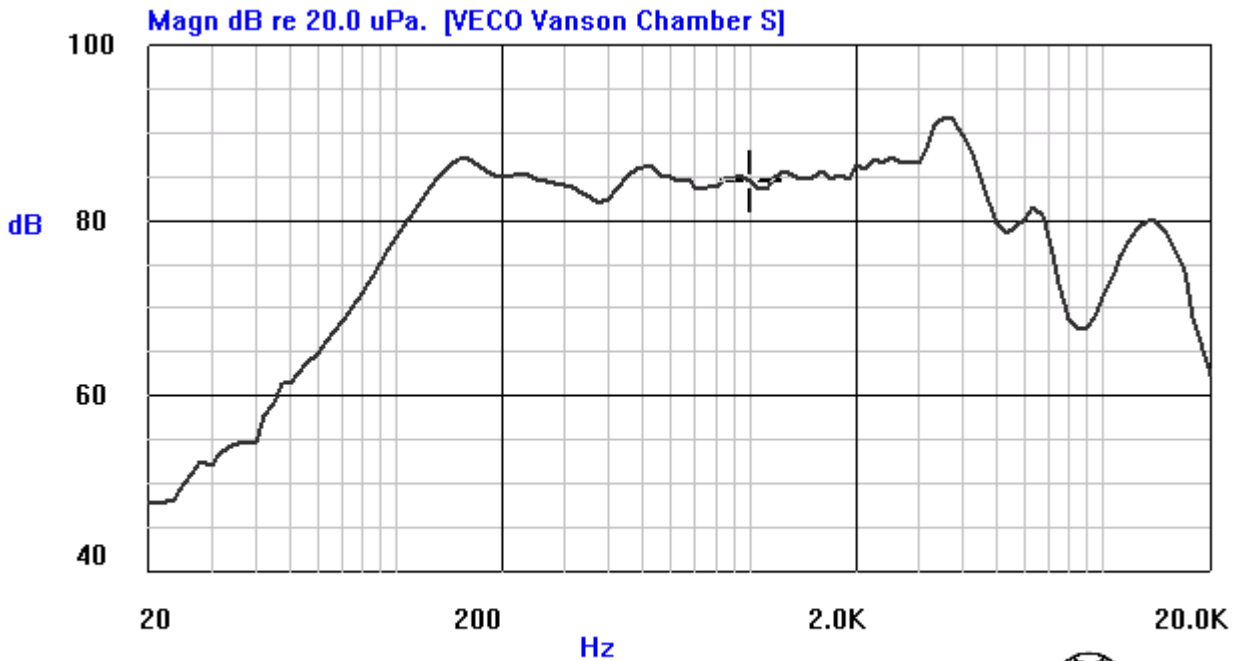


Fig.1

14.Frequency Response Curve.

14.1 Speaker

Sound Pressure Level(SPL) :84± 3dB 1.0W/0.5M at (800,1k,1.2k,1.5k) AV



Current Curve: 0 X: 1000 Hz Y: 84.52 dB
 Time[Y/M/D H:M:S]: 2004/ 8/10 8:38: 8



INPUT: 1.0W
 MIC DIST: 0.5M
 BAFFLE: IEC6028-5

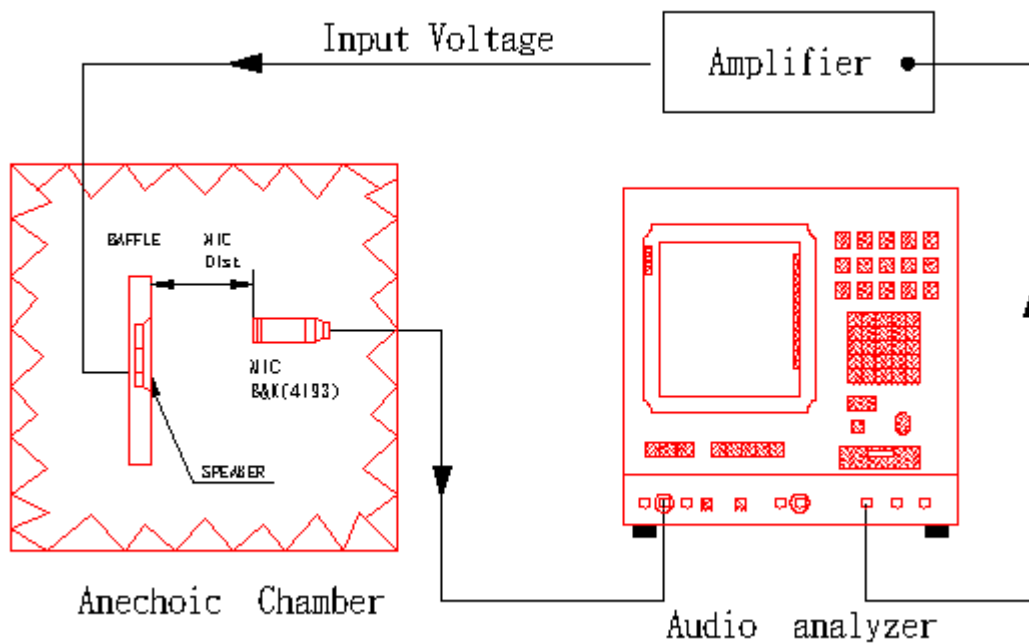


Fig.2

15.Environment Test

15.1 Environment test – High temperature.

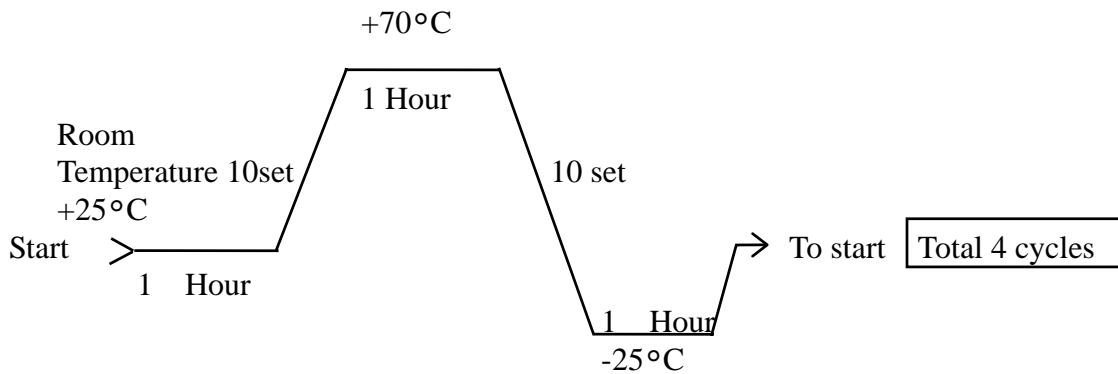
After exposure the speaker in the $+ 70 \pm 3$ °C chamber for 96 hours, then leave the speaker at room temperature for 1 hour, the SPL should not deviate by ± 3 db, compare with pre-test measurement.

15.2 Environment test - Low temperature.

After exposure the speaker in the $- 25 \pm 3$ °C chamber for 96 hours, then leave the speaker at room temperature for 1 hour, the SPL should not deviate by ± 3 db, compare with pre-test measurement.

15.3 Environment test-Temperature cycle.

After exposure the speaker in the chamber, temperature cycle setting as below shows, SPL should not Deviate by ± 4 db,compare with pre-test measurement.



15.4 Environment test – Humidity.

After exposure the speaker in the $+ 40 \pm 3$, relative humidity 90% ~95% chamber for 96 hours, then leave the speaker at room temperature for 6 hours, the SPL should not deviate by ± 3 db, compare with pre-test measurement.