Specification For Approval
承 認 書

客戶 (Customer)	
品名(Product Name)	SPEAKER ASSY(LEAD FREE)
客戶料號(Customer Parts No.)	
供應商料號(Supplier Model No.)	P3512KMG04X-1
承認簽章 Approval Signature	

Revision History

Version	Date	Description	Author
V1.0	2005/10/12	Creation	謝雲平

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審查 (Checked)		2005/10/12
批准 (Approval)		2005/10/12

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1.	**MODEL:**	**3512KMG04X-1 DYNAMIC SPEAKER**
2.	Dimension	Outer Diameter **35*12** mm.
		Height **Refer to Fig 1** mm. Weight **3.2** 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	**700 ± 20% Hz** at 1.0V measured by SUNLILAB® 7117C
7.	Output Sound Pressure	**84 ± 3** db / 1.0Watt・0.5Meter, Measured by B&K Type 2012
	(S.P.L.)	At 800, 1000, 1200 ,1500 HZ Average
8.	Frequency Range	**400~ 20,000** 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 with HPF(High Pass Filter 235HZ-3db-11db/Oct)**2.45**Volts(RMS.)**24**hrs.
12	Storage Temperature	**- 25ºC ~ + 65ºC**
13.	Operating Temperature	**- 20ºC ~ + 60ºC**

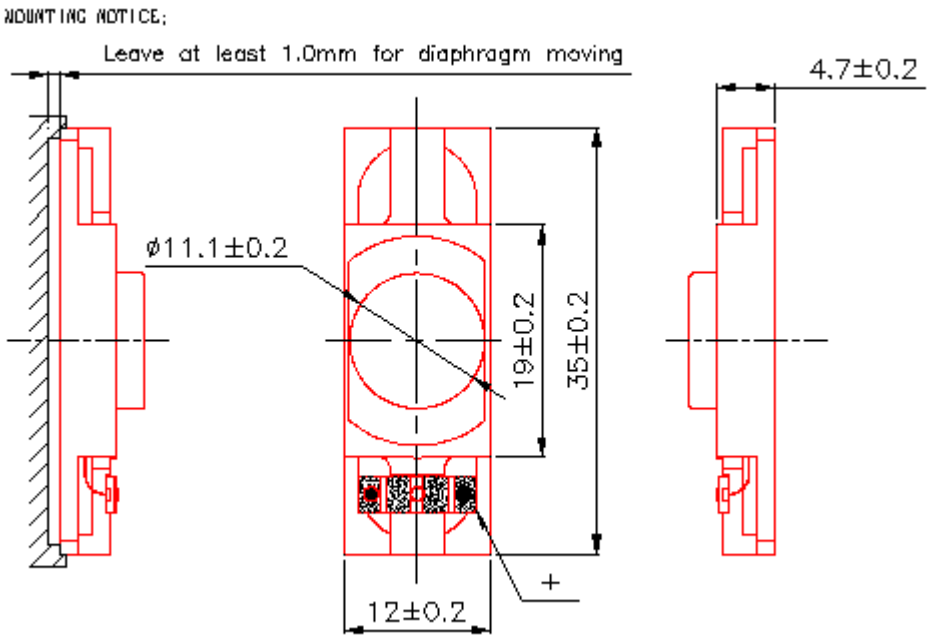
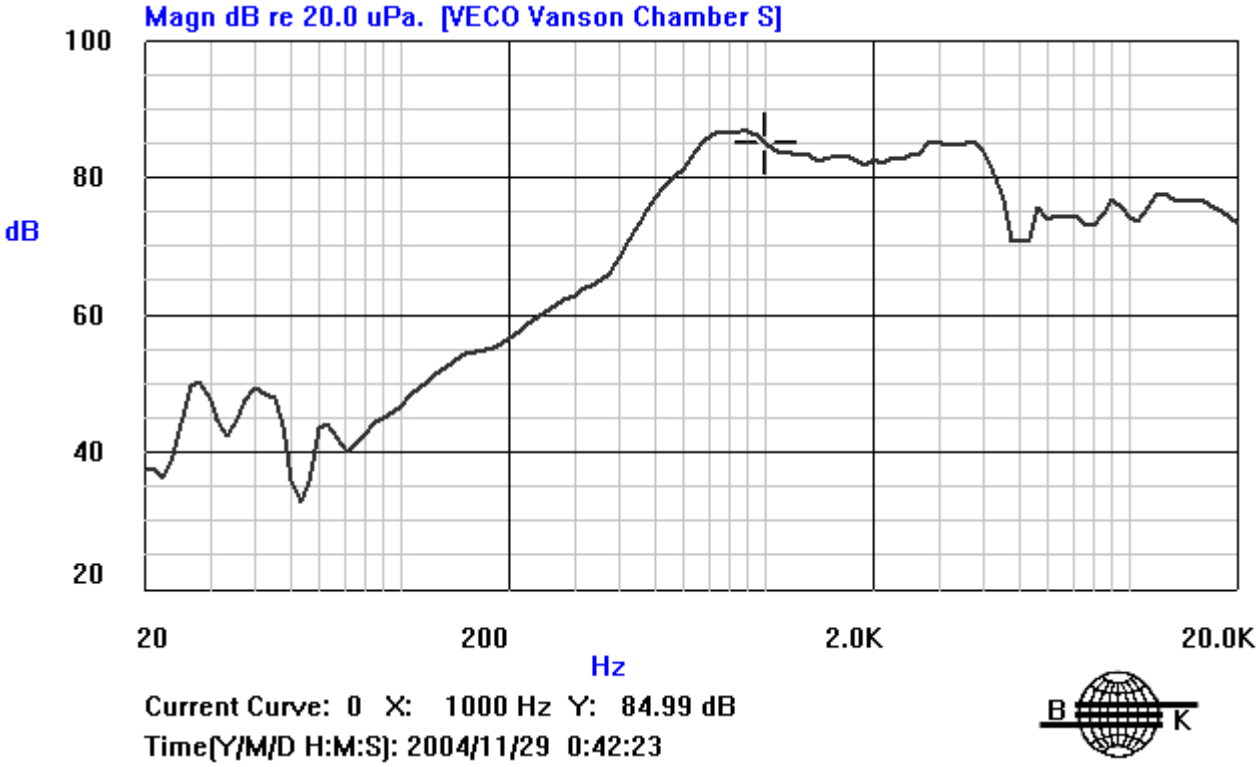


Fig.1

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



INPUT: 1.0W

MIC DIST: 0.5M

BAFFLE: IEC6028-5

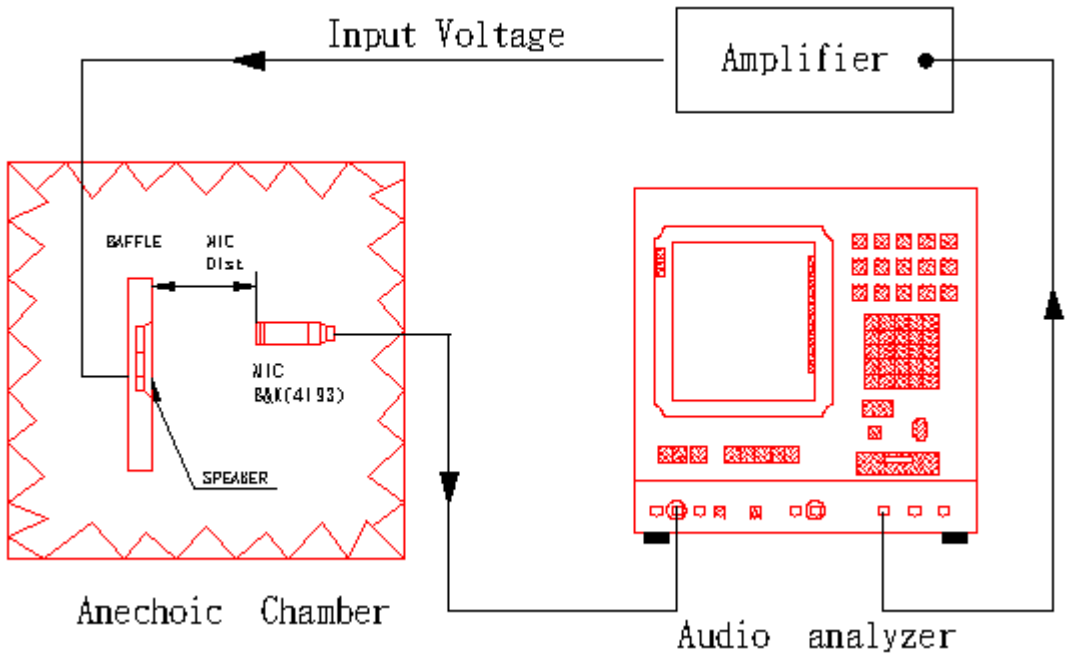


Fig.2

15.Environment Test

15.1 Environment test – High temperature.

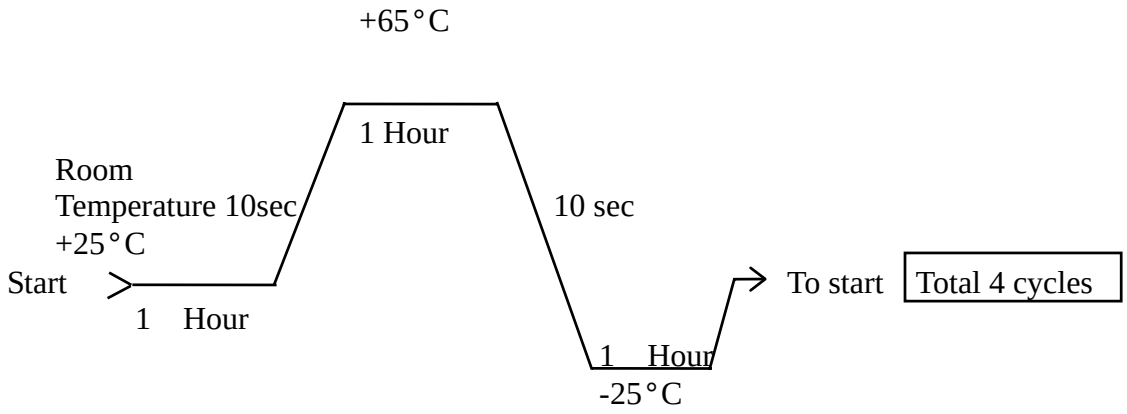
After exposure the speaker in the + 65± 3 °C chamber for 24 hours, then leave the speaker at room temperature for 2 hour, the SPL should not deviate by ± 3 db, compare with pre-test measurement.

15.2 Environment test - Low temperature.

After exposure the speaker in the – 25± 3 °C chamber for 24 hours, then leave the speaker at room temperature for 2 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 ± 4db,compare with pre-test measurement.



15.4 Environment test – Humidity.

After exposure the speaker in the + 40 ±3 ℃, relative humidity 90% ~95% chamber for 24 hours, then leave the speaker at room temperature for 6 hours, the SPL should not deviate by ±3db, compare with pre-test measurement.