



**VANSON ELECTRONICS (SHANGHAI) INC.**

5999, Huyi Highway, Waigang Town, Jiading District Shanghai, CHINA.

TEL: +86-21-59585999

FAX: +86-21-59585678

E-MAIL: vesf@veco.com.cn

1.	<b>MODEL:</b>	<b>26CRF04E-1 DYNAMIC SPEAKER</b>
2.	Dimension	Outer Diameter <b>26 mm.</b>
		Height <b>Refer to Fig 1</b> mm. Weight <b>5.2</b> Grams.
3.	Magnet	Materials <b>NdFeB</b> Size: $f$ <b>9.5*1.5</b> mm.
4.	Impedance	<b>4 W</b> $\pm$ <b>15 %</b> At <b>1500</b> Hz.
5.	Power Rating	Normal <b>1.5</b> W. Maximum <b>2.0</b> W.
6.	Lowest Resonant Frequency	<b>740 <math>\pm</math> 20% Hz</b> at 1.0V measured by SUNLILAB@ 7117C
7.	Output Sound Pressure (S.P.L.)	<b>83 <math>\pm</math> 3 db / 1.0Watt · 0.5Meter</b> , Measured by B&K Type 2012 At 600, 800, 1000, 1200 HZ Average
8.	Frequency Range	<b>400 ~ 20,000</b> Hz. Average SPL -10db Refer to Fig. 2
9.	Distortion	<b>5% Maximum</b> at 1500 Hz <b>1.0 W.</b>
10.	Abnormal Sound Test	Must be Normal Tested By <b>2.45</b> Volts. Sine Wave.
11.	Load Test	White Noise with <b>2.45</b> Volts(RMS.) <b>96</b> hrs.
12.	Storage Temperature	<b>- 25°C ~ + 65°C</b>
13.	Operating Temperature	<b>- 20°C ~ + 60°C</b>

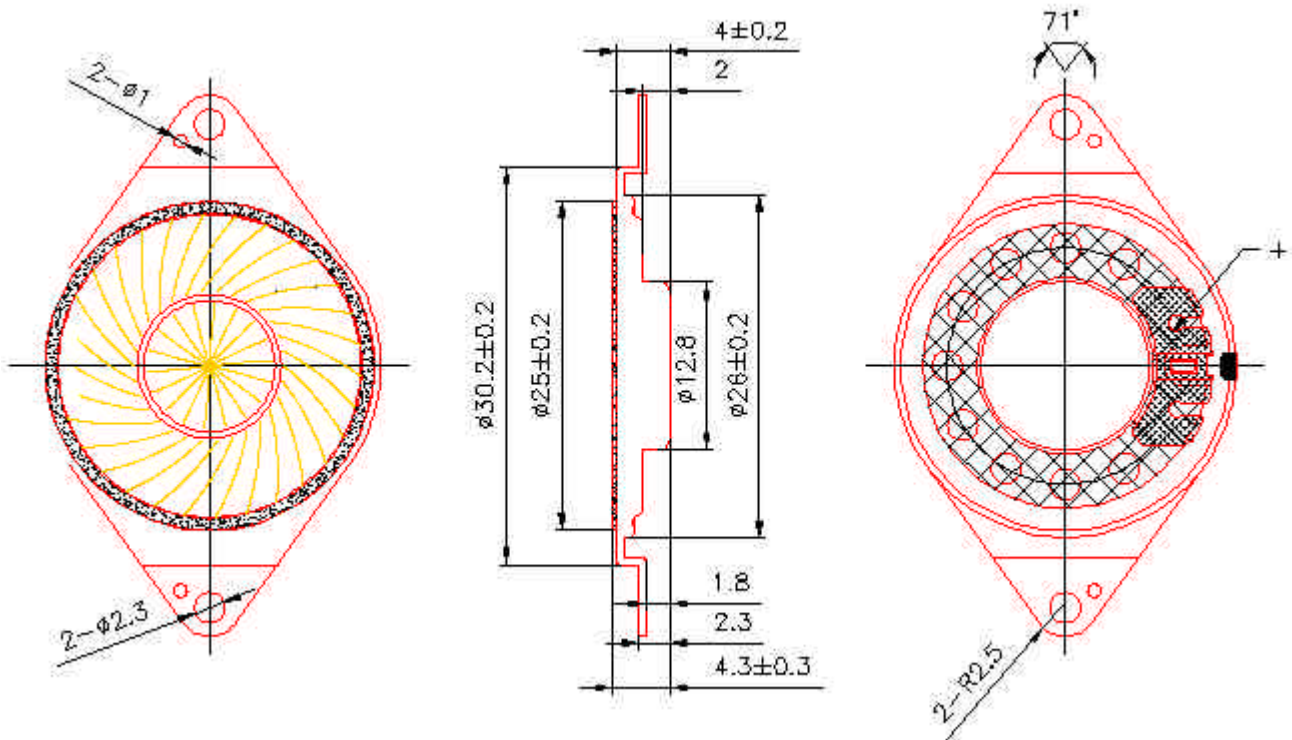
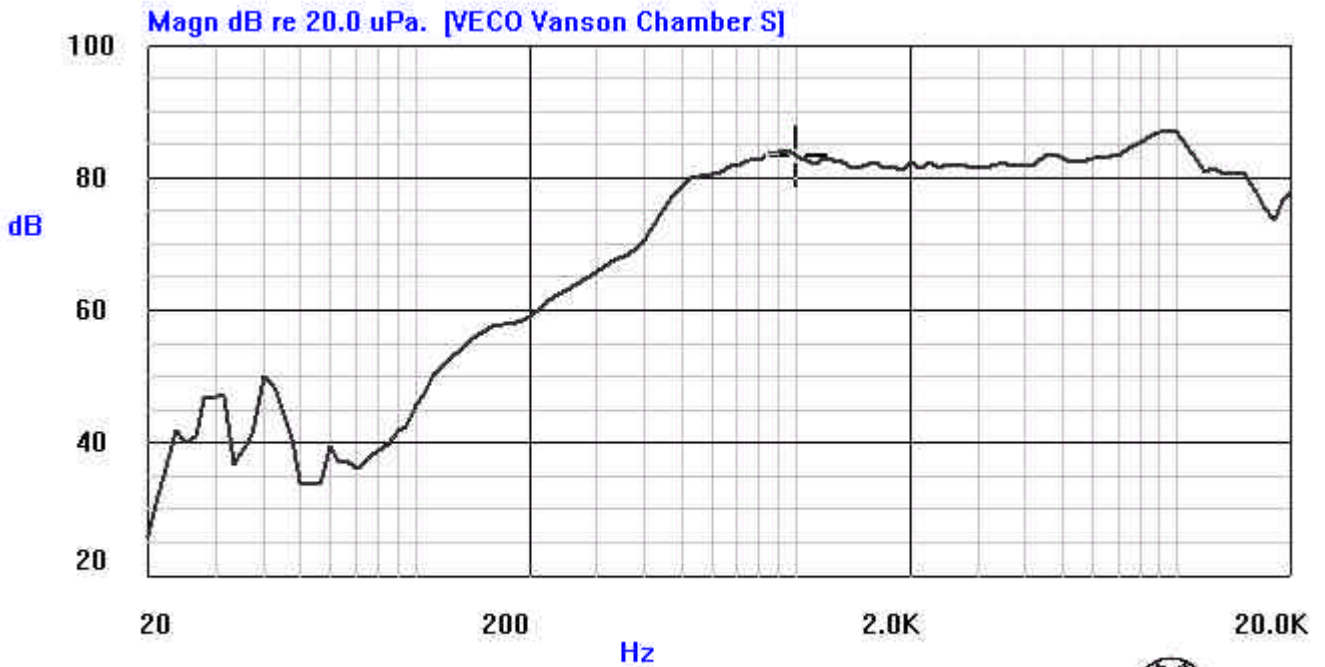


Fig.1

# 14.Frequency Response Curve.

## 14.1 Speaker

Sound Pressure Level(SPL) :83 ±3dB 1.0W/0.5M at (600,800,1k,1.2k) AV



Current Curve: 0 X: 1000 Hz Y: 83.36 dB  
Time[Y/M/D H:M:S]: 2004/ 8/21 1:50:27



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

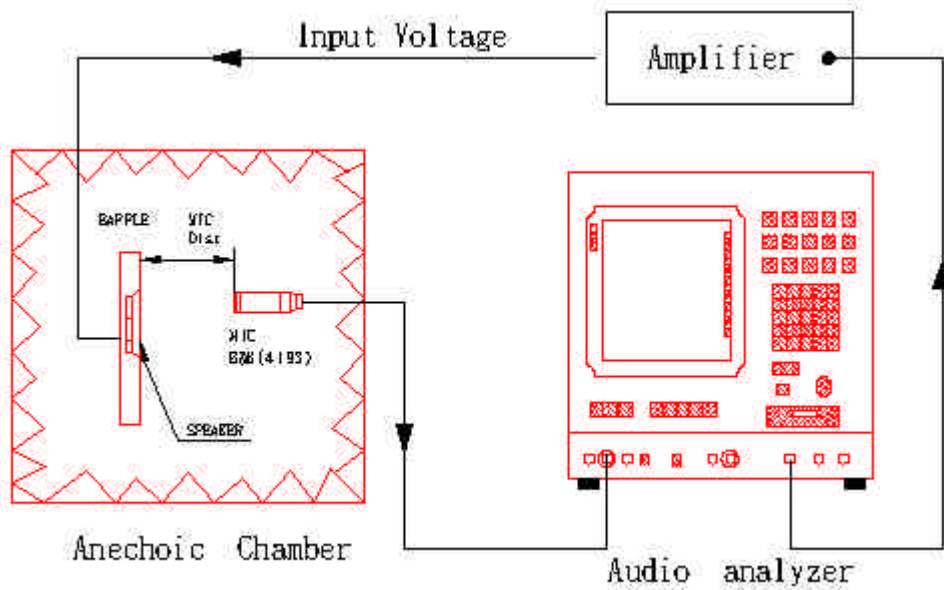


Fig.2

## 15.Environment Test

### 15.1 Environment test – High temperature.

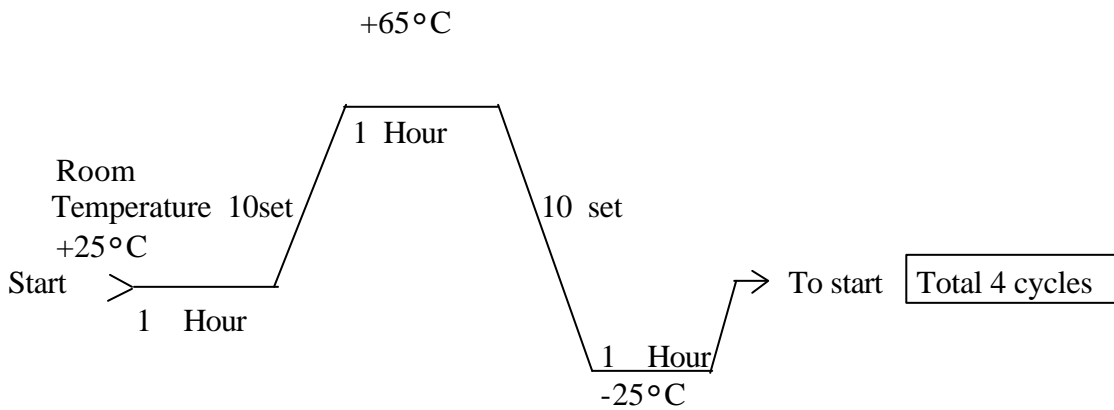
After exposure the speaker in the  $+ 65 \pm 3 \text{ }^\circ\text{C}$  chamber for 96 hours, then leave the speaker at room temperature for 1 hour, the SPL should not deviate by  $\pm 3 \text{ db}$ , compare with pre-test measurement.

### 15.2 Environment test - Low temperature.

After exposure the speaker in the  $- 25 \pm 3 \text{ }^\circ\text{C}$  chamber for 96 hours, then leave the speaker at room temperature for 1 hour, the SPL should not deviate by  $\pm 3 \text{ db}$ , 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  $\pm 4\text{db}$ ,compare with pre-test measurement.



### 15.4 Environment test – Humidity.

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