

匯統國際股份有限公司  
Huey Tung International Co., Ltd.

# 產品規格書 Specification

[ Model : HT-2371 / 2007.04.11 version ]



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# 揚聲器製品規格書

1.	<b>MODEL:</b>	<b>HT-2371</b>
2	Dimension & Weight	Outer Diameter <b>50<math>\phi</math></b> mm
		Baffle Opening <b>46<math>\phi</math></b> mm
		Height <b>Refer to drawing</b> Weight <b>46.8</b> Grams
3	Magnet	Materials <b>Rare Earth</b> Size <b><math>\phi</math> 27.5X12.9X5</b> mm
4.	DC Resistance	<b>8</b> $\Omega \pm 15 \%$ , <b>On OHM Meter</b>
5.	Power Rating	Normal <b>0.4</b> Watts Maximum <b>0.8</b> Watts Sine Wave.
		Normal Watts Maximum Watts Square Wave.
6.	Resonant Frequency	<b>400</b> $\pm 20 \%$ Hz.
7.	Output Sound Pressure Level (S.P.L.)	<b>87</b> $\pm 3$ db/ <b>0.4</b> Watt $\cdot$ 0.5 Meter
		Average at <b>800, 1000, 1200, 1500</b> Hz.
8.	Frequency Range	<b>250</b> $\sim$ <b>10000</b> Hz. Average SPL - 10 db.
9.	Distortion	<b>5</b> % Maximum At <b>1000</b> Hz. <b>0.4</b> W.
10	Abnormal Sound test	Must be Normal Tested By <b>1.79</b> Volts. Sine Wave.
11	Load Test	Pink noise with HPF(High Pass Filter 235HZ-3db/Oct) <b>1.79</b> Volts. (RMS.) <b>96</b> Hours.
12	Polarity	Diaphragm shall move Forward while Apply a Positive DC Signal to the " + " or " Marked " Terminal.

Above Measuring condition under temperature : 15~35 $^{\circ}$ C R.H. 25~75%. According to standard GB/T9396-1996

## Mechanical and vibration test

13	High Temperature	+ 60 $\pm$ 2 $^{\circ}$ C Humidity Random for 96 Hours. (GB2423.2-81)
14	Low Temperature	- 25 $\pm$ 2 $^{\circ}$ C Humidity Random for 96 Hours. (GB2423.1-81)
15	Humidity	+ 40 $\pm$ 2 $^{\circ}$ C Relative Humidity (RH) 90 ~ 95 % 96 Hours. (GB5170.18-87)
16	Vibration	Frequency 30 $\pm$ 15 Hz, Amplitude 1.5 mm for 3 Hours. (GB11606.8-89)
17	Drop test	75 CM free falling on Concrete floor, 10 times. (GB2423. 8-81)

After test leave speakers at room temperature for 1 hour, SPL shall not deviate by  $\pm 3$  db from pre-test

18	Temperature Cycle test	- 25 ~ + 60 $^{\circ}$ C 4 Cycles Temperature test. (GB5170.18-87)
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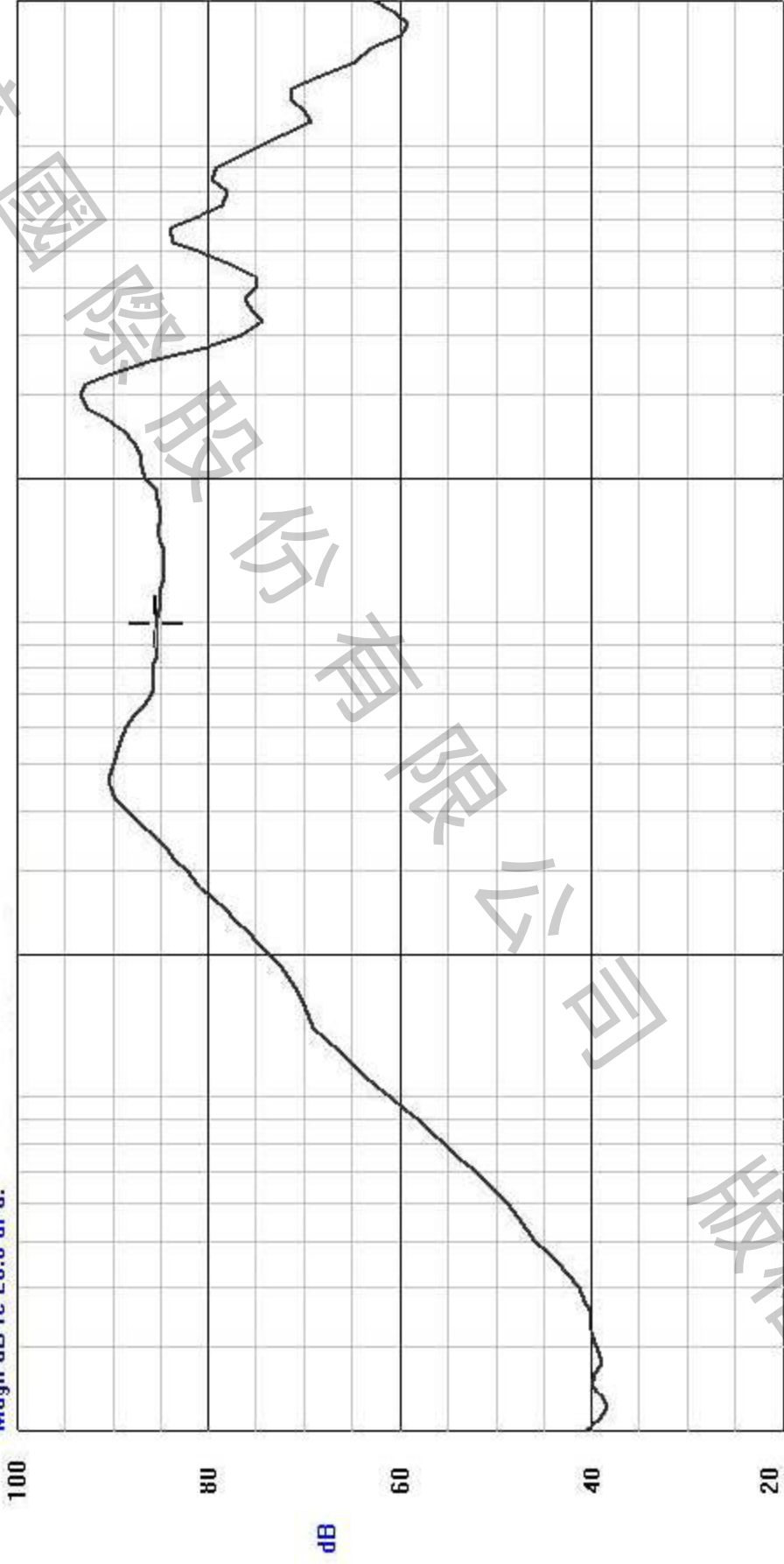
After test leave speakers at room temperature for 1 hour, SPL shall not deviate by  $\pm 4$  db from pre-test

Measurement, and meet above spec. item 6. 7. 8. 9. 10.

Please refer to next pages for more detailed testing method.

HT-2371 VOL:1.8V(0.4W) DIS:0.5M

Magn dB re 20.0 uPa.



20

200

2.0K

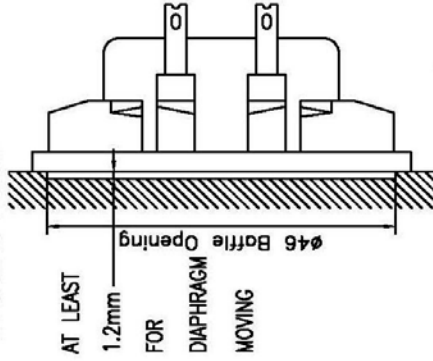
20.0K

Hz

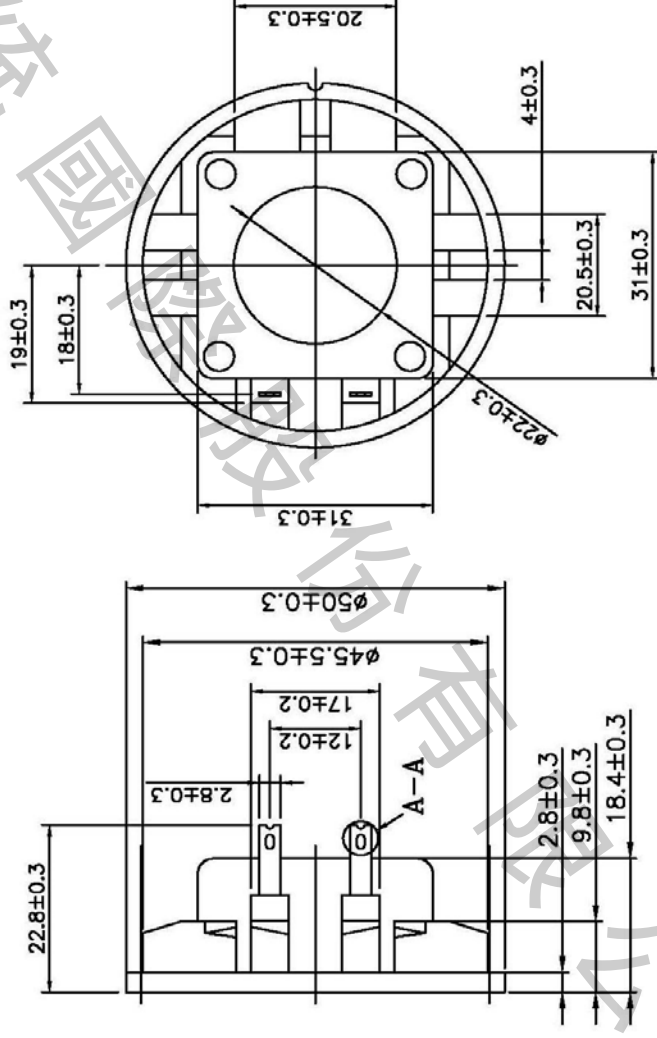
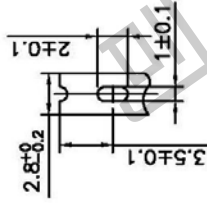
Current Curve: 0 X: 1000 Hz Y: 85.49 dB  
Time(Y/M/D H:M:S): 2007/4/11 0:55:15



**MOUNTING NOTICE**



**A-A**



RANGE	TOL	V
0-8	±0.05	±0.10 ±0.20 ±0.30
8-16	±0.10	±0.15 ±0.25 ±0.40
16-24	±0.15	±0.20 ±0.30 ±0.50
24-50	±0.20	±0.25 ±0.40 ±1.0
50-100	±0.25	±0.30 ±0.50 ±2
>100	±0.40	±0.40 ±0.80 ±3

VERSION	V1.0	DATE	07.04.07	DESCRIPTION	
Unit:	mm	Scale:		Appr.:	
Tol.:				CHK.:	董華刊

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HT-2371  
F:\RD\SPEC\SQUARE\50\F50FL08GP.DWG