



深圳市兴华鑫电子科技有限公司

Shenzhen xinghuaxin Electronic Technology Co., Ltd

承認書

SPECIFICATION FOR APPROVAL

客戶 (Customer): _____

客戶料號 (Customer P/N): _____

興華鑫型號 (Supplier P/N): 1511-L60MM

產品名稱 (Description): 喇叭 (Speaker)

產品規格 (Specification): 8 Ω 1W

客戶承認欄 (Customer Authorization Signature)	深圳市興華鑫電子科技有限公司 承認欄 (Supplier Audit)		
	審核	檢查	制作
	唐国兴	唐玉来	吴银娟
	日期: 2022 年 04 月 19 日 版次: A		

声音让生活更精彩!

地址: 深圳市宝安区新安街道新乐社区新乐路 88 号厂房四层

TEL: 0755-27892904

E-mail: jacky.tang@jsxhxdz.com

Http: www.jsxhxdz.com

深圳市兴华鑫电子科技有限公司

产品规格内容

1. SCOPE

THIS SPECIFICATION IS APPLIED TO THE DYNAMIC RECEIVER/SPEAKER WHICH IS USED IN CELLULAR PORTABLE PRODUCT.

2. GENERAL SPECIFICATIONS

ANALYSIS ITEMS	SPECIFICATIONS
1. TYPE	Dynamic speaker
2. OUT SIDE SIZE	15*11mm , Shown Fig.3
3. IMPEDANCE	$8\Omega \pm 20\%$ at 1 KHz 2.0Vms Sine Wave
4. RESONANCE FREQUENCY	$F_0: 650 \pm 20\%$ Hz at 1.0V Sine wave
5. SENSITIVITY (S.P.L.)	82±3dB at 0.5w/ 0.1m /0.8,1.0,1.2,1.5×1000Hz average
6. RATED / MAX. POWER	0.5W /1W
7. FREQUENCY RANGE	$f_0 \sim 20\text{kHz}$
8. DISTORTION	Less than 10 % at 1000Hz 0.5W
9. UNIT WEIGHT	1.5g±0.1g
10. MEASURING DIAGRAM	Shown in Fig.1
11. FREQUENCY RESPONSE	Shown in Fig.2
12. OPERATING TEMPERATURE	- 30℃ ~ +60℃
13. STORAGE TEMPERATURE	- 30℃ ~ +65℃
14. OPERATION TEST	No one should perceive noise of sine wave 2.0V of 0.3kHz ~ 5kHz .

深圳市兴华鑫电子科技有限公司

产品规格内容

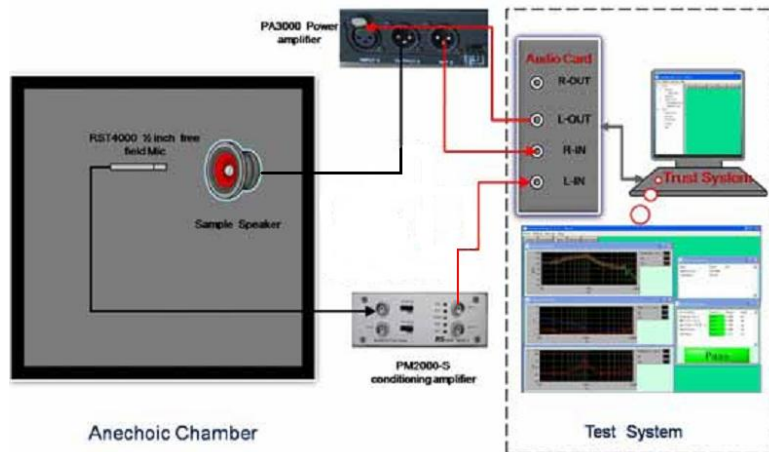
3. ENVIRONMENTAL CHARACTERISTICS

RESULTS OF AFTER TEST	Sensitivity difference shall be within (3dB) and should satisfy the test described under item 14 after each following test.
1. APPEARANCE	Should not exist any obstacle to be harmful to normal operation : damages \ cracks \ rusts and distortions etc.
3. POLARITY	When positive voltage is applied to the terminal marked (+), diaphragm should move to the front.
4. LOAD TEST	0.5 W white noise is applied for 96 hours and satisfy the test listed on item 05,08,14.
5. HIGH TEMPERATURE DURABILITY	After having been in a test chamber for 96 hours at the condition of $+65^{\circ}\text{C} \pm 5^{\circ}\text{C}$ and then let 2 hours in a room .
6. COLD TEMPERATURE DURABILITY	After having been in a test chamber for 96 hours at the condition of $-40^{\circ}\text{C} \pm 5^{\circ}\text{C}$ and then let 2 hours in a room .
7. HUMIDITY DURABILITY	After having been in a test chamber for 96 hours at the condition of $+40^{\circ}\text{C} \pm 5^{\circ}\text{C}$ 90%~96% RH and then let 2 hours in a room .
8.TEMPERATURE CYCLE DURABILITY	Low temperature $-40^{\circ}\text{C} \pm 2^{\circ}\text{C}$ (2 hour) / high temperature $+65 \pm 2^{\circ}\text{C}$ (2 hour) : 1 cycle , total 10 cycles and then let 2 hours in a room .
9.VIBRATION DURABILITY	Amplitude : 0.35mm or acceleration : 50m/s^2 Duration : 2h per axis=10 cycles ; 3 axis
10.DROP TEST	The speaker unit shall stand 10 random drops from a height of 1 meter to a concrete floor faced with 5m/m thick hard wood board and be nothing mechanical damage.
11.PACKING STRENGTH	As per packing condition, from height of 1 meter, the unit is to be dropped 1 time each in three planes on concrete floor.

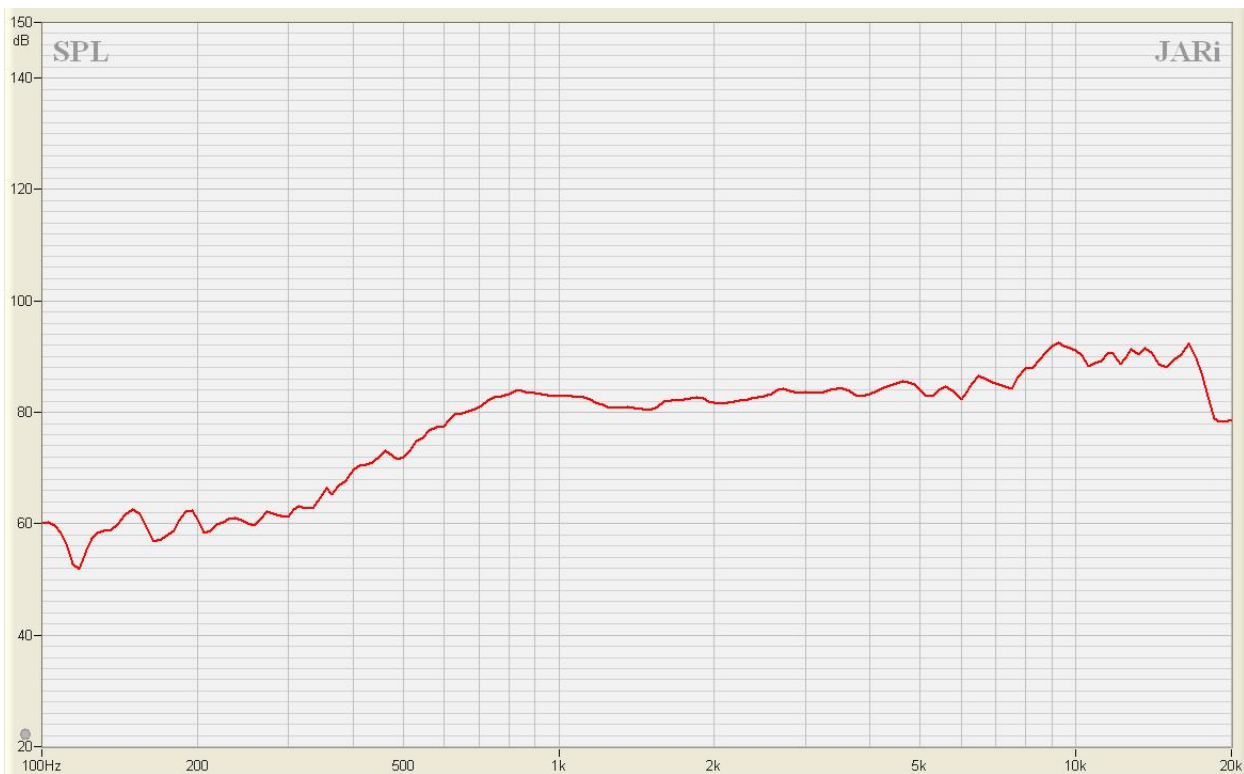
深圳市兴华鑫电子科技有限公司

产品规格内容

4.STANDARD TEST CONDITION OF SPEAKER (Fig.1)



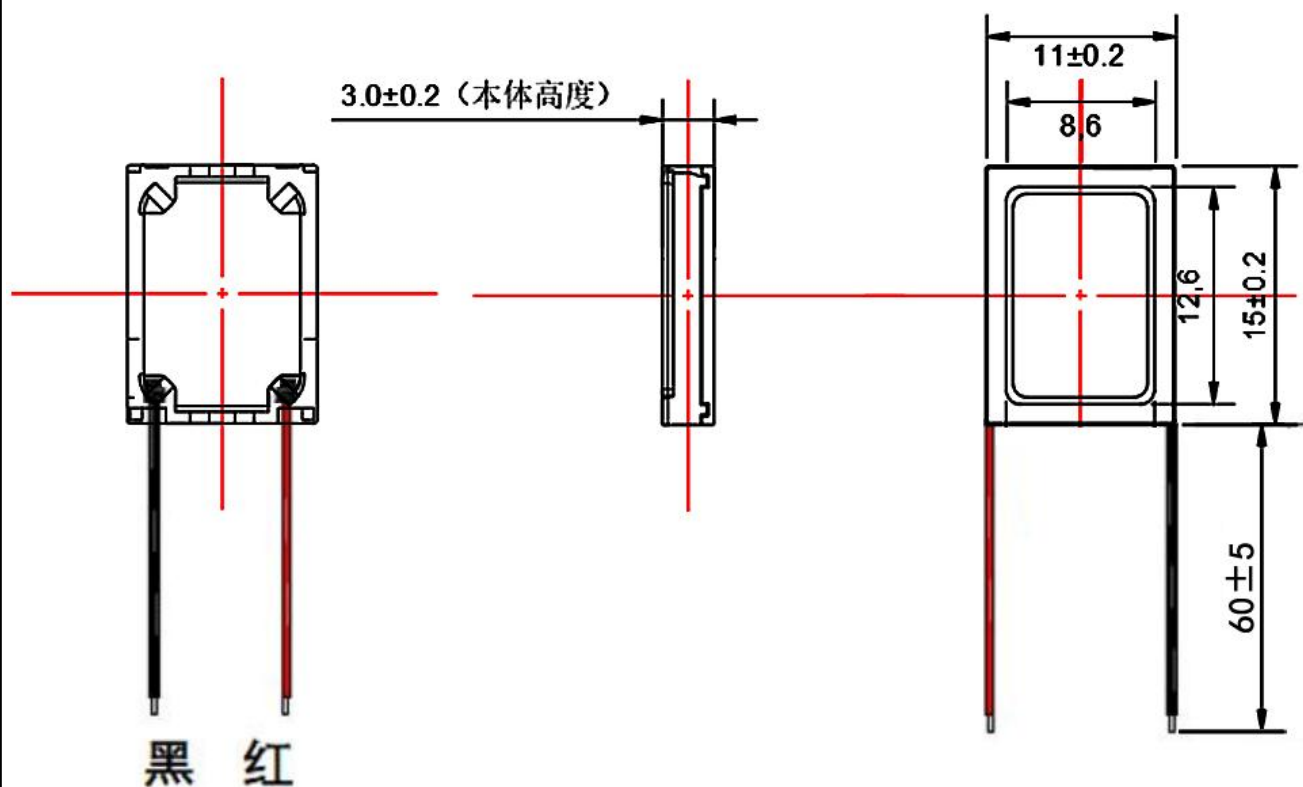
4.(SPEAKER MODE) (Fig.2)



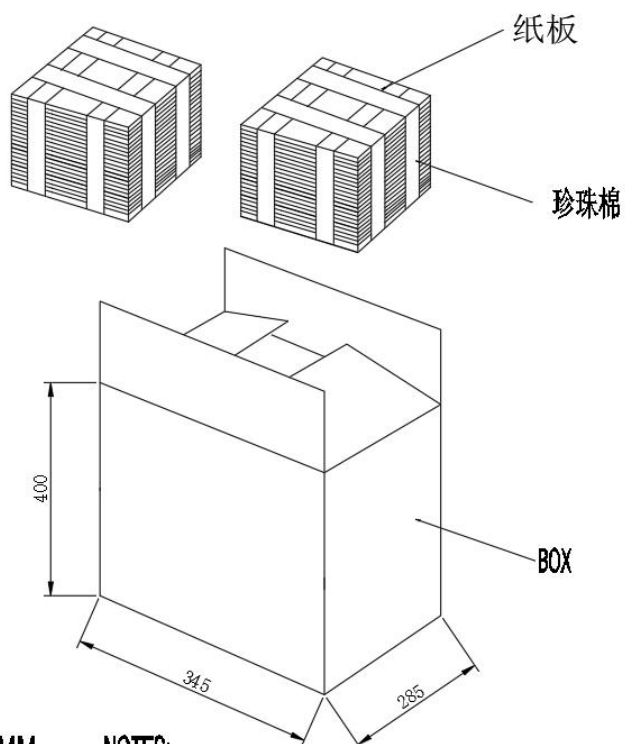
深圳市兴华鑫电子科技有限公司

产品规格内容

4.ASSEMBLY DIMENSIONS (Fig.3)



4.PACKING (Fig.4)



UNIT:MM

NOTES:

1.150PCS PER TRAY PE PAN.

2. 35 IAYERS PER BOX

3.5250 PCS PER BOX