

SPECIFICATION FOR APPROVAL

规格书

Customer (客户名称):

Customer P/N(客户编号):

Our P/N (本厂编号):

FS23MS0820-H5.3-R04

Approval Date(日期):

2024.10.15

Environment Request(环境标准):

☐ Non-RoHS (非 RoHS 标准)

☒ RoHS (RoHS 标准)

☐ REACH (REACH 标准)

☐ Others (其他)

CUSTOMER'S APPROVED SIGNATURE



泰州福声电子科技有限公司

Taizhou Fusheng Electronic Technology Co.,Ltd.

Adds: No.98 of FengHuang Road West,Hailing District ,Taizhou .

地址: 江苏省泰州市海陵区凤凰西路 98 号

Tel: +86-523-86219066

Fax: +86-523- 81601108

[Http://www.tzfsdz.com](http://www.tzfsdz.com)

E-mail: fs.wu@electronic-tech.cn

	DESINGER	CHECKED	APPROVED
SIGNATURE			
DATE			

Alteration History

变更历史

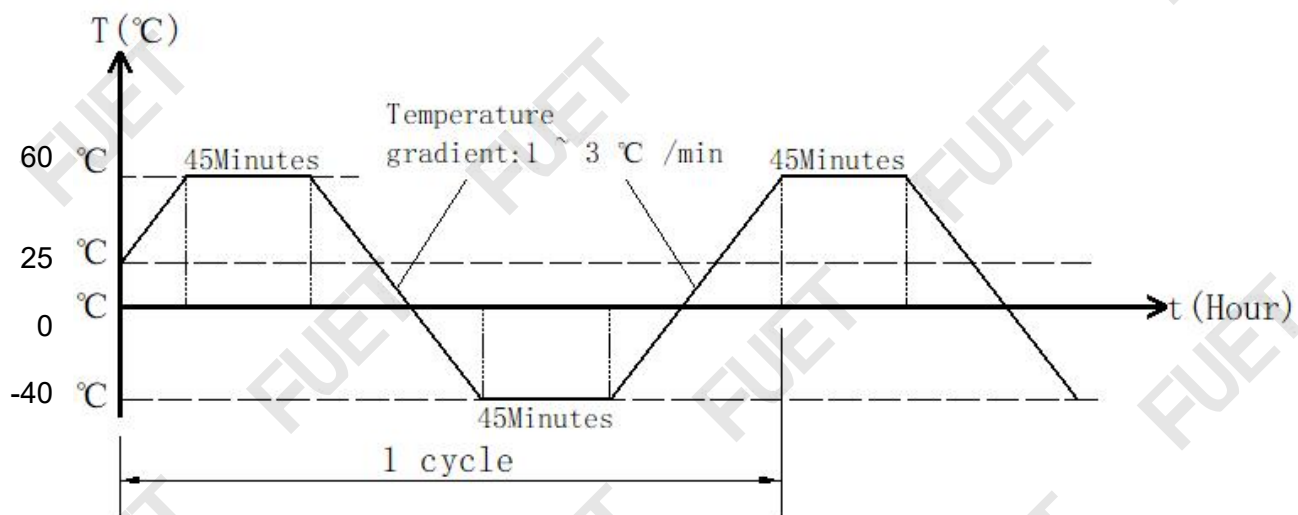
Note 序号	Date 日期	Detail changes 变 更 内 容	Reason 变更理由	Revision 变更表示

Speaker Specification

Part No.	Customer No 客户型号		Customer code 客户编号	
	Our Part No 本厂编号	FS23MS0820-H5.3-R04		Revision 版本 A
No.	Item 项目	Specification 规格	Testing Condition 测试条件	
1.	Rated Imp 共称阻抗	8ohm±15%	At 1kHz	
2.	Resonance Freq 最低共振周波数	630Hz±20%	Without Baffle	
3.	Output S.P.L. 出力音压	82±3dB	At 0.1m 0.1w 0.8,1.0,1.2,1.5KHz Average	
4.	Rated Power 定格入力	at 2.0W	at 4.0 Vrms	
5.	Max Power 最大入力	at 2.5W	at 4.48 Vrms	
6.	Frequency Range 实效频宽	450Hz~20kHz	Output S.P.L -10dB	
7.	Operation 可靠性试验	Must Be Normal at Rated Frequency Range	Program Source 2.0 W FO~10kHz	
8.	Buzzes & Rattles 异常音试验	Should not be audible buzz and rattle at Rated Frequency Range 无异常声	Sine Wave Between (正弦波入力) at 4.0Vrms / 300Hz~5.5kHz	
9.	T H D 失真	10% Max	Rated Power Input 1000Hz	
10.	Magnet 磁铁	NdFeB		
11.	Operating Temperature 动作温度	-30℃ to +35℃		
12.	Storage Temperature 储存温度	-40℃ to +60℃		
13.	Weight 重量	g/PC		

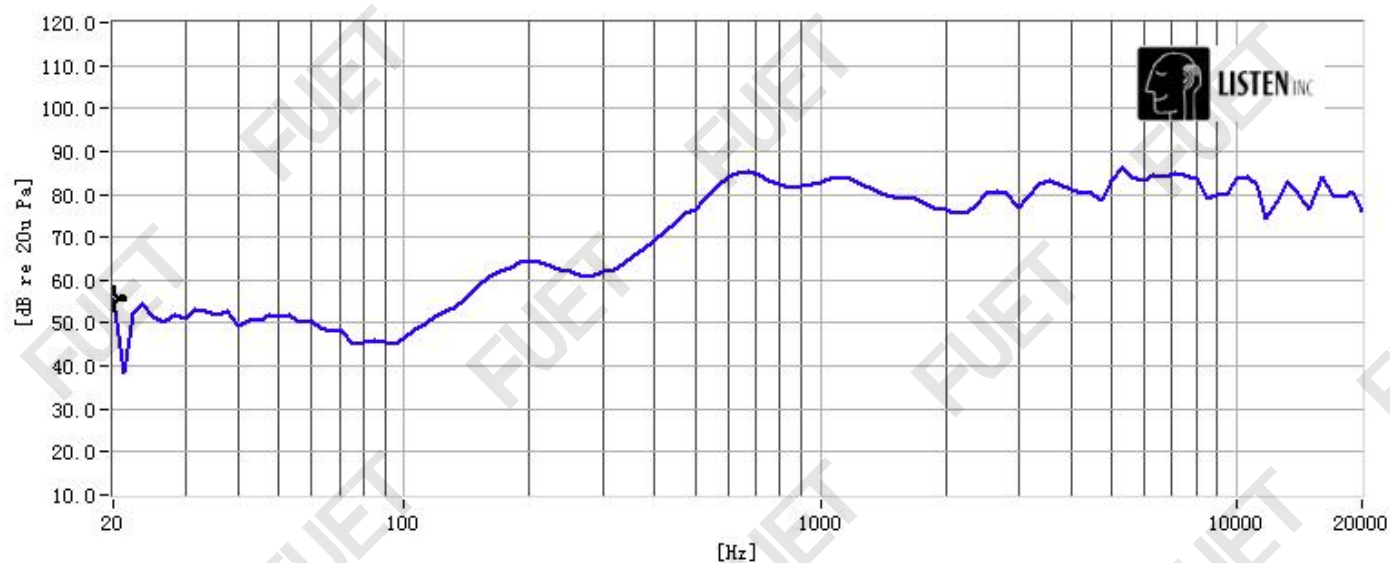
14.	Cold Test 耐寒试验	Must be normal after having been in a test chamber for 96 hours at the condition of $-40^{\circ}\text{C} \pm 2^{\circ}\text{C}$ and then left 2 hours in a room. ($-40^{\circ}\text{C} \pm 2^{\circ}\text{C}$, 96 小时试验室温两小时后,无异常)
15.	Heat Test 耐热试验	Must be normal after having been in a test chamber for 96 hours at the condition of $+60^{\circ}\text{C} \pm 2^{\circ}\text{C}$ 90~95% R.H and then left 2 hours in a room. ($+60^{\circ}\text{C} \pm 2^{\circ}\text{C}$ 90~95% R.H 96 小时试验, 常温 2 小时后,无异常的不良)
16.	Load Test 连续负荷试验	Must be normal after load test :white noise 2.0W 96 hours. At rated frequency range (白噪音 2.0W 连续 96 小时试验后无异常的不良)
17	Short Term Max Power test 瞬間最大功率试验	Test for 1 hour under maximum power. Input shall be white noise in rated frequency response. And the signal will be 1 second on, 59 seconds off, total 60 cycles at rated frequency range, Must be normal after the test (白噪音 2.5W, 1 秒开 59 秒关, 连续 60 回合, 试验后无异常之不良)
18.	Polarity 极性	When a DC source 's "+" polarity is attached to speaker's "+" polarity,"-" polarity is attached speaker's "-" polarity, the membrane will move forward. Red wire is "+" and the black wire is "-". (接线板右侧为正极,左侧为负极)
19.	Drop Test 跌落试验	Drop the speakers contained in normal box onto a board 5mm thick 6 times from a height of 1.0m . Must be normal after the test (在厚 5mm 的木板上从 1.0m 的高度跌落 6 次,无异常不良)

Temperature Cycle Test(5 cycle)

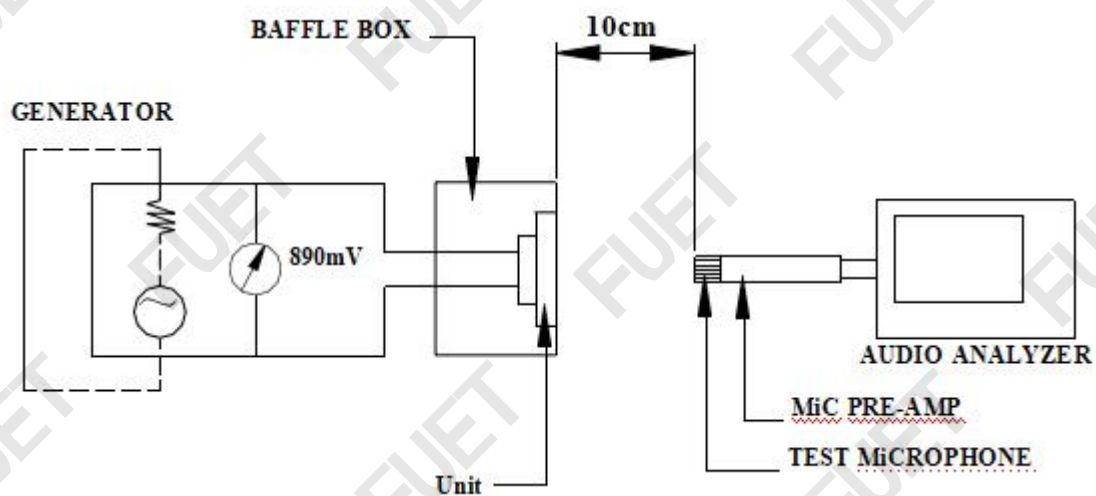
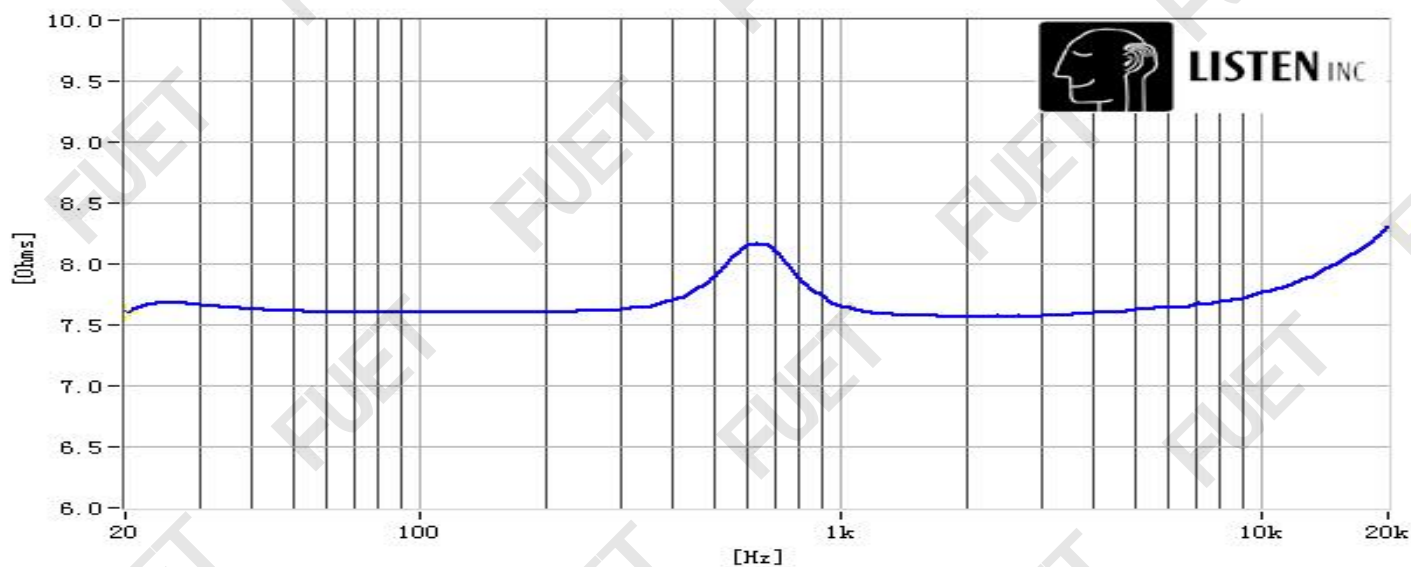


Frequency Response

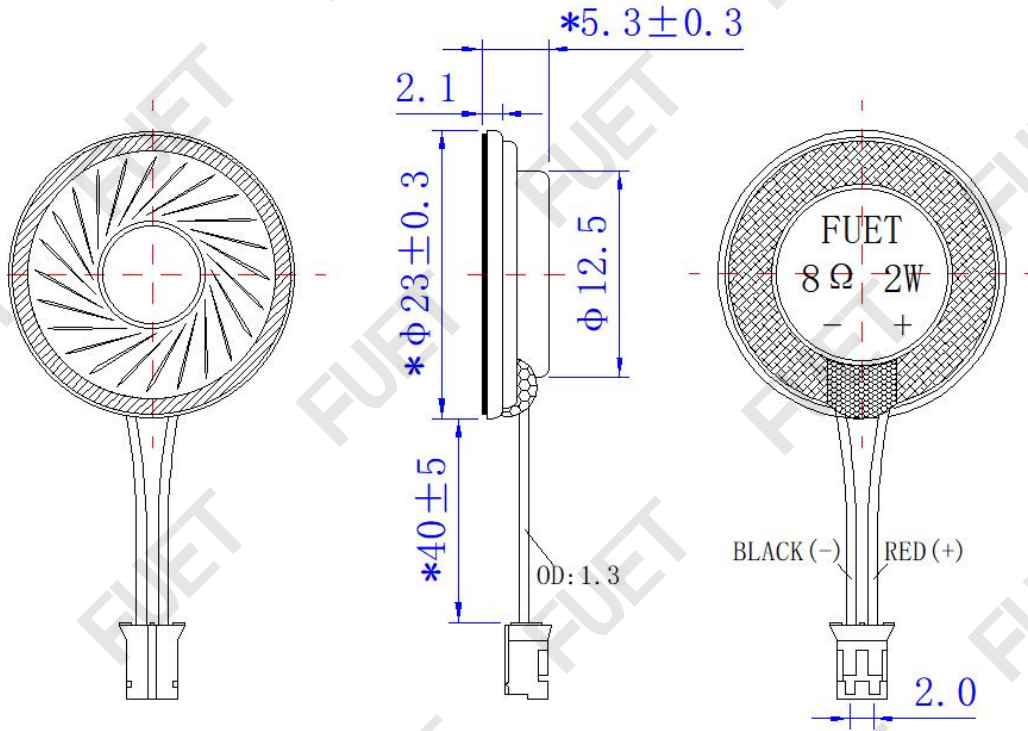
频响曲线



阻抗曲线



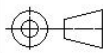
Product Outside View



- 注:1. 标示“*”为重点检测尺寸;
2. 未有说明, 则默认图示LOGO;
3. 未注公差: $\pm 0.2\text{mm}$

								版本	V0
								DATE	
SYN	REVISION	NAME	DATE	SCALE	1:1	QUANTITY	1	UNIT	mm
Title:FS23MS0820-H5.3-R04							NAME	DRAW	CHECK
									APPROVE

泰州福声电子科技有限公司



Remark:

PART NO.	PART NAME 名稱	MATERIAL 材質
1	Frame 支架	SPCC
2	Plate 華司	SPCC
3	Magnet 磁鐵	Nd Fe B
4	Voice Coil 音圈	Kapton+Cu
5	Terminal 接線板	Glass Epoxy
6	Diaphragm 音膜	X30PET
7	Blank pressing压边	ABS
8	Damping Cloth阻尼布	Cloth
9	Wire电子线	OD:1.3mm-2.0
Note: Accord with RoHS2.0 standard		