

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):

FS5151DB04100-H40-R02

Approval Date(日期):

2023.4.24

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



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	DESINGER	CHECKED	APPROVED
SIGNATURE			
DATE			

Alteration History

变更历史

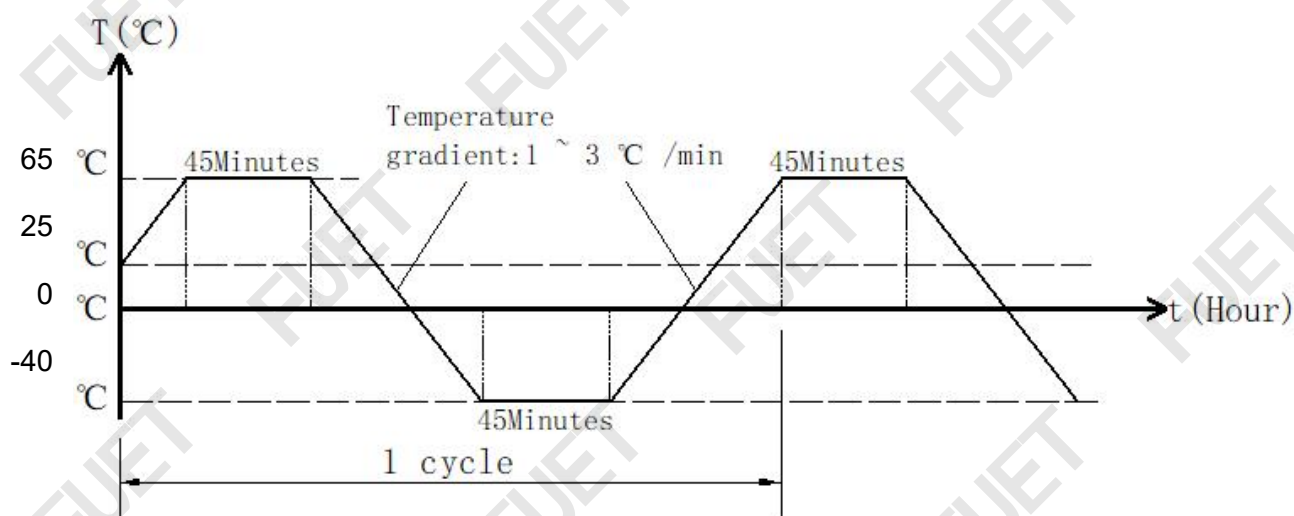
Note 序号	Date 日期	Detail changes 变 更 内 容	Reason 变更理由	Revision 变更表示

Speaker Specification

Part No.	Customer No 客户型号		Customer code 客户编号	
	Our Part No 本厂编号	FS5151DB04100-H40-R02		Revision 版本 A
No.	Item 项目	Specification 规格	Testing Condition 测试条件	
1.	Rated Imp 共称阻抗	4 ohm±15%	At 1kHz	
2.	Resonance Freq 最低共振周波数	Fb: 68Hz±20% F0: 260Hz±20%	Without Baffle	
3.	Output S.P.L. 出力音压	91±3dB	At 0.1m 0.1w 0.5~10.0KHz Average	
4.	Rated Power 额定功率	at 10 W	at 6.33Vrms	
5.	Max Power 最大功率	at 12 W	at 6.93 Vrms	
6.	Frequency Range 实效频宽	200~20kHz	Output S.P.L -10dB	
7.	Operation 可靠性试验	Must Be Normal at Rated Frequency Range	Program Source 10 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 6.33Vrms / FO---- 10kHz	
9.	T H D 失真	5% Max	Rated Power Input 1000Hz	
10.	Magnet 磁铁	Nd Fe B		
11.	Operating Temperature 动作温度	-30℃ to +50℃		
12.	Storage Temperature 储存温度	-40℃ to +65℃		
13.	Waterproof Level 防水等级	IP68		
14.	Weight 重量	68.0±1.0 g/PC		

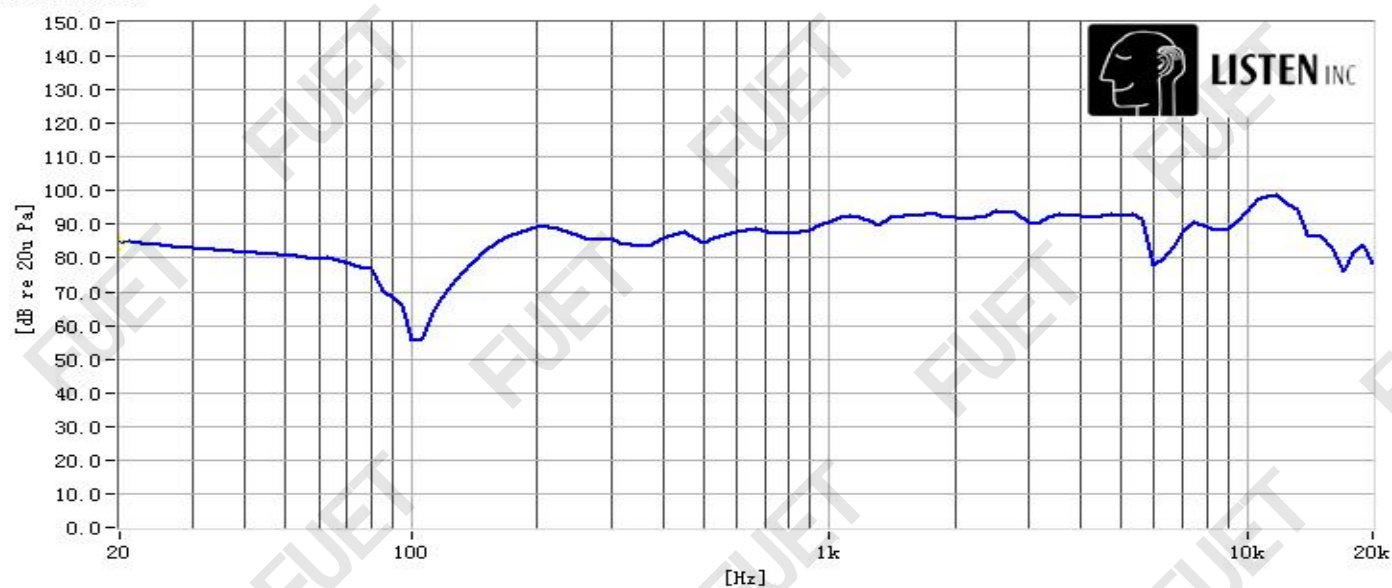
15.	Cold Test 耐寒试验	Must be normal after having been in a test chamber for 96 hours at the condition of $-40^{\circ}\text{C} \pm 2^{\circ}\text{C}$ and then left 2 hours in a room. ($-40^{\circ}\text{C} \pm 2^{\circ}\text{C}$, 96 小时试验室温两小时后,无异常)
16.	Heat Test 耐热试验	Must be normal after having been in a test chamber for 96 hours at the condition of $+65^{\circ}\text{C} \pm 2^{\circ}\text{C}$ 90~95% R.H and then left 2 hours in a room. ($+65^{\circ}\text{C} \pm 2^{\circ}\text{C}$ 90~95% R.H 96 小时试验, 常温 2 小时后,无异常的不良)
17.	Load Test 连续负荷试验	Must be normal after load test :white noise 10.0W 96 hours. At rated frequency range (白噪音 10.0W 连续 96 小时试验后无异常的不良)
18.	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 12.0W, 1 秒开 59 秒关, 连续 60 回合, 试验后无异常之不良)
19.	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 "-". (红线为正极,黑线为负极)
20.	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)
21.	Waterproof Test 防水测试	Use 15KPa air pressure test for 5 seconds, and the leakage of less than 10Pa is the waterproof grade IPX8 用 15KPa 气压测试 5 秒, 不超过 10Pa 泄露即为防水等级 IPX8

Temperature Cycle Test(5 cycle)

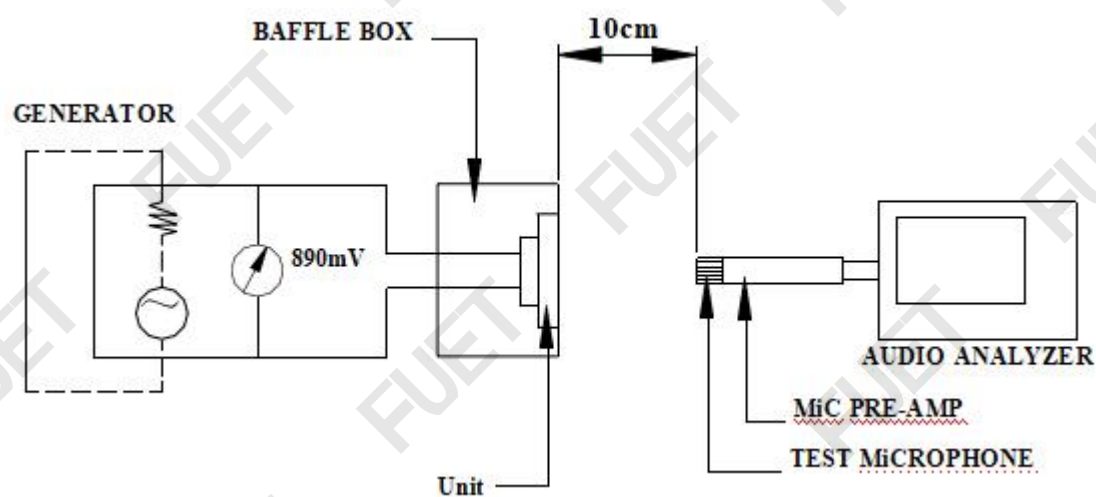
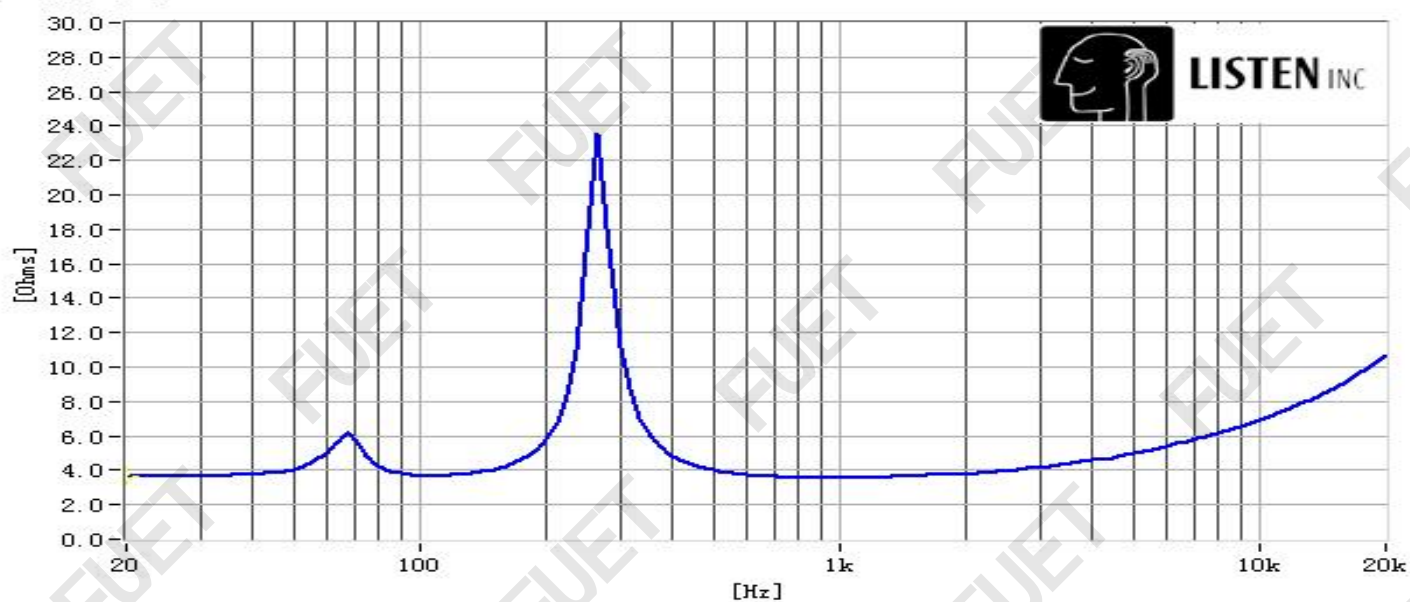


Frequency Response

频响曲线



阻抗曲线



Product Outside View

