

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):

FS4848GS04150-H11.5-R02

Approval Date(日期):

2025-04-02

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

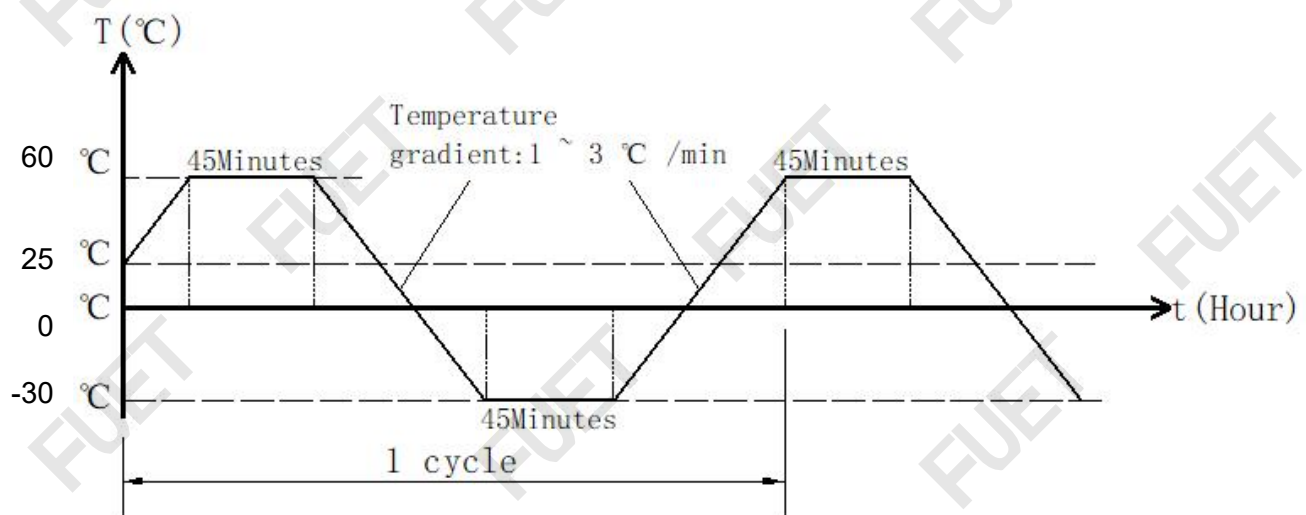
Note 序号	Date 日期	Detail changes 变 更 内 容	Reason 变更理由	Revision 变更表示

Speaker Specification

Part No.	Customer No 客户型号		Customer code 客户编号	
	Our Part No 本厂编号	FS4848GS04150-H11.5-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	4.0Ω±15%	At 600Hz 1.0Vrms	
2.	Resonance Freq 最低共振周波数	Fo: 1690Hz±20%	Without Baffle	
3.	Output S.P.L. 出力音压	92.8±3dB	At 0.1m1.0w f0~10.0KHz Average	
4.	Rated Power 额定功率	At 15.0W	at 7.75V rms	
5.	Max Power 最大功率	at 20.0W	at 8.94V rms	
6.	Frequency Range 实效频宽	F0 ~20kHz	Output S.P.L -10dB	
7.	Operation 可靠性试验	Must Be Normal at Rated Frequency Range	ProgramSource 15.0W FO-10kHz ,2.2UF capacitor in series	
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 7.75Vrms / 500-1kHz, 2.2UF capacitor in series	
9.	T H D 失真	10% Max	Rated Power Input 2500Hz	
10.	Magnet 磁铁	Nd Fe B		
11.	Operating Temperature 动作温度	-20℃ to +75℃		
12.	Storage Temperature 储存温度	-30℃ to +85℃		
13.	IP(INGRESS PROTECTION) 防水等级	/		
14.	Weight 重量	30.5 g/PC		

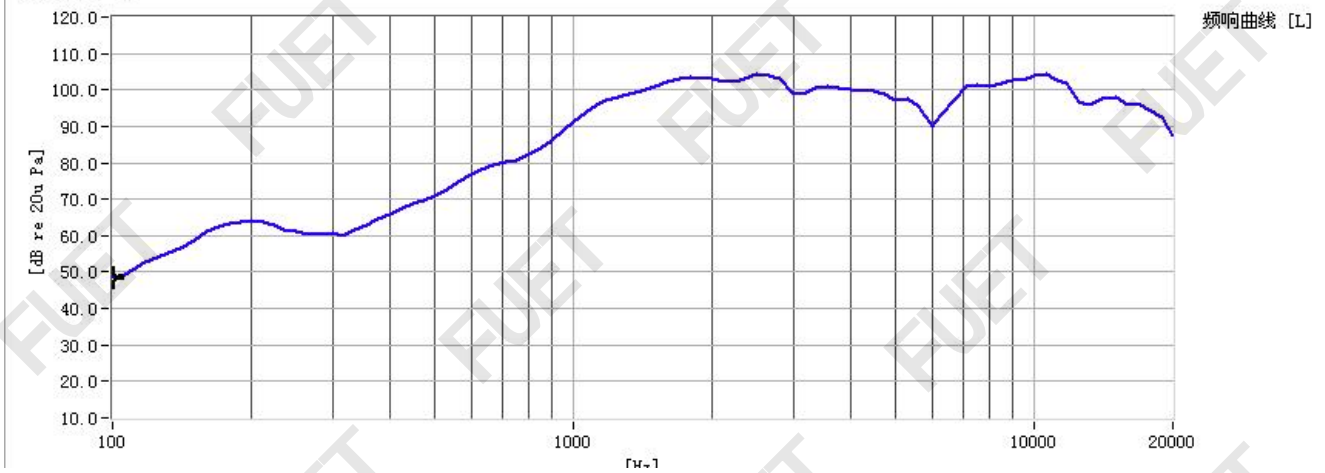
14.	Cold Test 耐寒试验	Must be normal after having been in a test chamber for 96 hours at the condition of $-30^{\circ}\text{C} \pm 2^{\circ}\text{C}$ and then left 2 hours in a room. ($-30^{\circ}\text{C} \pm 2^{\circ}\text{C}$, 96 小时试验室温两小时后, 无异常)
15.	Heat Test 耐热试验	Must be normal after having been in 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. ($+85^{\circ}\text{C} \pm 2^{\circ}\text{C}$ 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, 2.2UF capacitor in series , 15.0W , 96 hours. At rated frequency range (白噪音 15.0W, 串联 2.2UF 电容, 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. 2.2UF capacitor in series, 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 20.0W, 串联 2.2UF 电容 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 "-". (红点为正极)
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)
20.	防水测试 Waterproof grade	IT Should be IP67 Waterproofing

Temperature Cycle Test(5 cycle)



Frequency Response

频响曲线



阻抗曲线

