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)：　FS2412NSW-H2.3-R01

Approval Date(日期)：　2026.10.16

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		

福声科技 FUSHENG TECHNOLOGY

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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

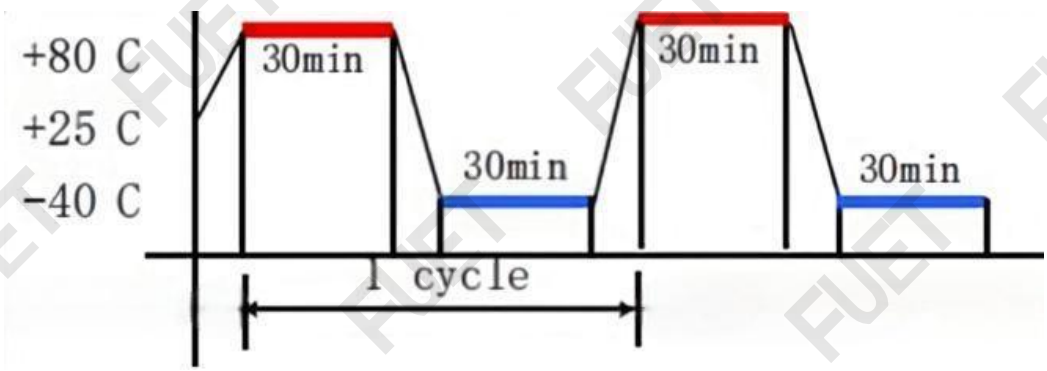
Speaker Specification

Part No.	Customer No 客户型号		Customer code 客户编号	
	Our Part No 本厂编号	FS2412NSW-H2.3-R01	Revision 版本	A

No.	Item 项目	Specification 规格	Testing Condition 测试条件
1.	Rated Imp 共称阻抗	AC:6 ohm±15% DC:5.5ohm±15%	At 2KHz, 3.46Vrms
2.	Resonance Freq 最低共振周波数	Fo：830 Hz±15%	In 1.4CC box
3.	Output S.P.L. 出力音压	99±3dB	3.46V/0.10M at 2KHz 1.4CC in a baffle
4.	Rated Power 额定功率	at 2W	at3.46Vrms while testing in 1.4CC box
5.	Max Power 最大功率	at 2.2W	at3.65Vrms while testing in 1.4CC box
6.	Frequency Range 实效频宽	500~10kHz	Output SPL-10dB
7.	Operation 可靠性试验	Must Be Normal at Rated Frequency Range	Program Source 2W FO-10kHz
8.	Buzzes & Rattles 异常音试验	Must be free audible noise (buzzes and rattles) 无异常声	300Hz ~3400Hz frequency range, input level up to 3.46Vrms while testing in 1.4CC box
9.	T H D 失真	4% Max	Mounted in 1.4CC measure box and in a baffle .Test at 3.46Vrms/10cm
10.	Magnet 磁铁	Nd Fe B	
11.	Operating Temperature 动作温度	-20℃ to +70℃	
12.	Storage Temperature 储存温度	-40℃ to +80℃	
13.	Waterproof Level 防水等级	It should be IPX8 waterproofing	
14.	Weight 重量	4.2g/PC	

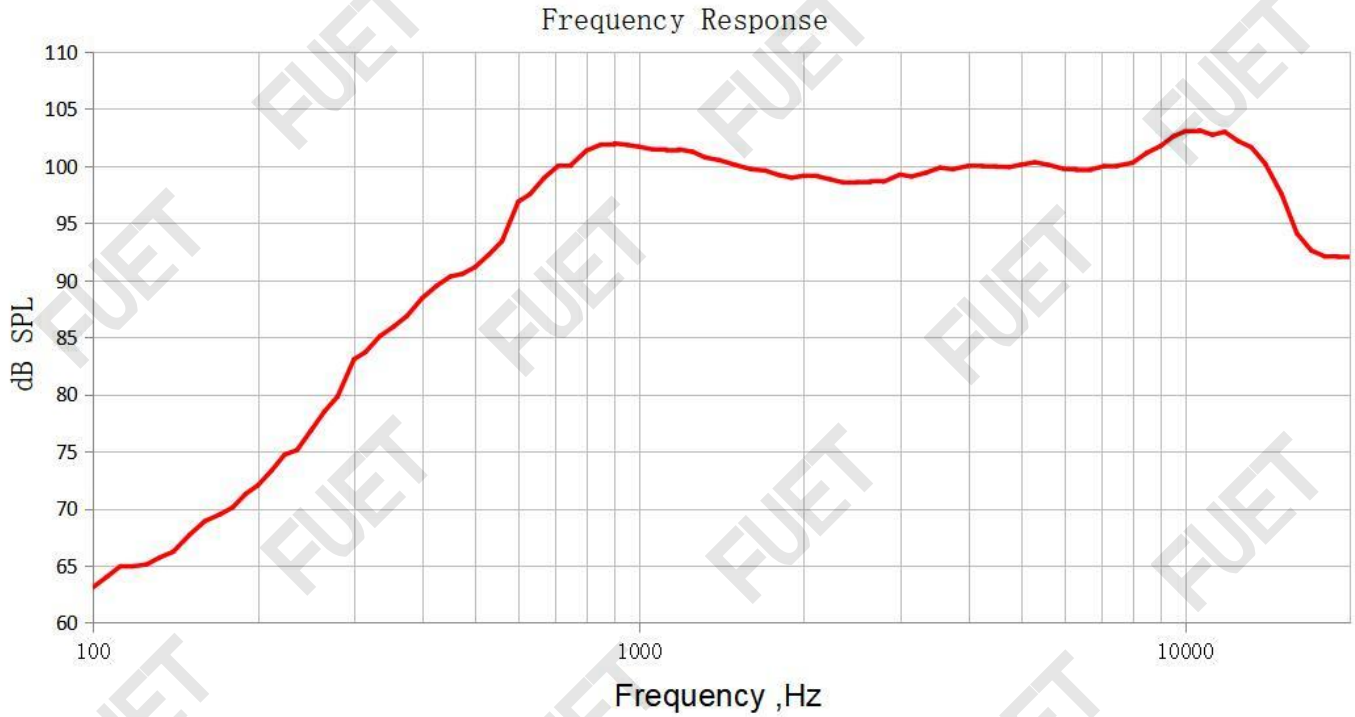
15.	Cold Test 耐寒试验	Must be normal after having been in a test chamber for 96 hours at the condition of-40℃±3℃ and then left 2 hours in a room. (-40℃±3℃,96 小时试验，常温 2 小时后,无异常的不良)
16.	Heat Test 耐热试验	Must be normal after having been in a test chamber for 96 hours at the condition of+80℃±3℃ and then left 2 hours in a room. (+80℃±3℃ 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 :Input power: 2.0W while testing in 1.4CC box 96 hours Signal: Pink noise with a peak to 20-20KHz of 1.8 to 2.2. (粉噪音2W 在1.4cc音腔内连续 96 小时试验后无异常的不良)
18.	Short Term Max Power test 瞬间最大功率试验	Signal: Pink noise with crest factor of 3 to 4 in rated frequency response for a period of second.And the test shall be repeated 60 times with intervals of 1 min. Must be normal after the test. (在1.4cc音腔内输入2.2W信号连续1分钟工作，无永久性损伤)
19.	Polarity 极性	When a positive D.C voltage is applied to the terminal Marked(+)or red, the diaphragm should move to the front. (红线为正极,黑线为负极)
20.	DROP TEST 跌落试验	Component mounted in 150g fixture, dropped from 1.5m to concrete floor, each surface 3 times, total 18 times (从 1.5m 的高度跌落 3次,无异常不良)
21.	VIBRATION TEST 振动试验	Frequency: 1000 cycle/min. Amplitude: 1.5mm Duration: 1 hour in each of 3axes

Temperature Cycle Test

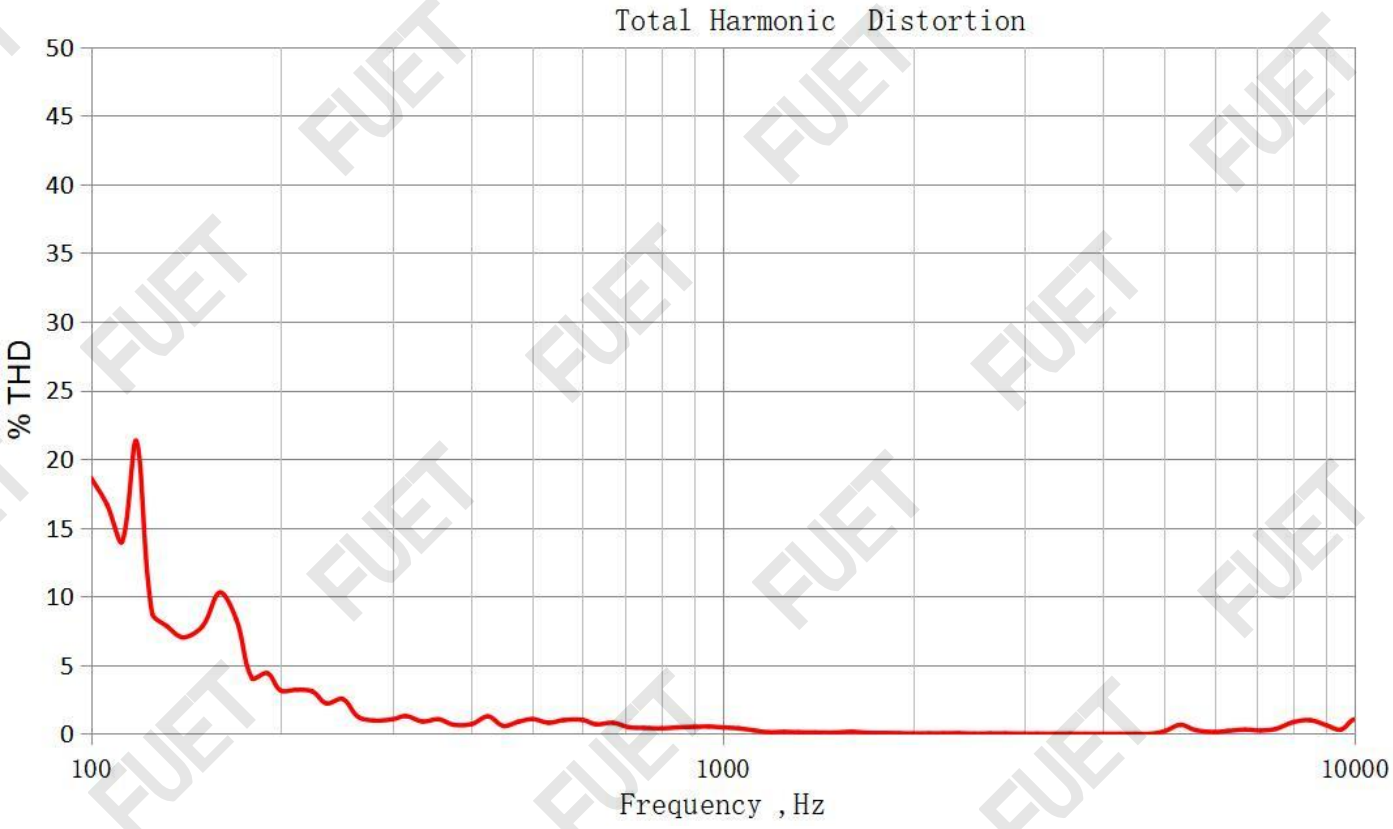


Frequency Response

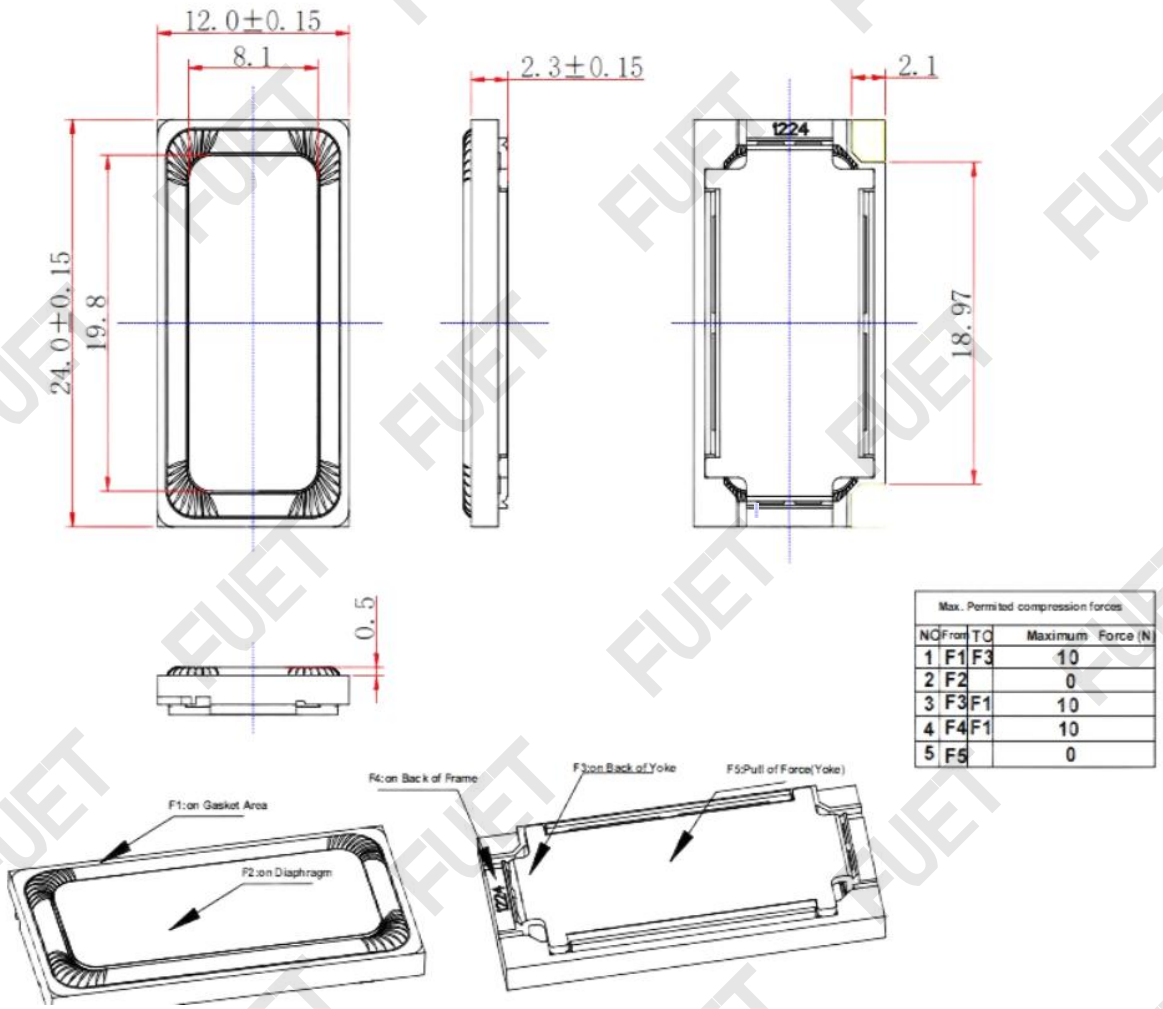
EFFICIENCY 99.0 3dB (0dB=20.0μPa) at 2KHz



Limit Data for THD



Product Outside View



Max. Permited compression forces			
NO	From	TO	Maximum Force (N
1	F1	F3	10
2	F2		0
3	F3	F1	10
4	F4	F1	10
5	F5		0

Remark:

PART NO.	PART NAME 名称	MATERIAL 材质
1	U YOKE	SPCC Cr3+ PLATED
2	TERMINAL PIN	SUS 0.15t Sn PLATED +Au PLATED
3	DIAPHRAGM	POLYMER
4	Voice Coil	COPPER WIRE
5	POLE PIECE	SPCC Cr3+ PLATED
6	MAGNET	Nd-Fe-B Cr3+ PLATED
7	FRAME	PPA
Note: Accord with RoHS2.0 standard		

PACKAGING

