



# 扬声器规格书

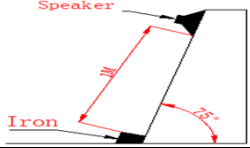
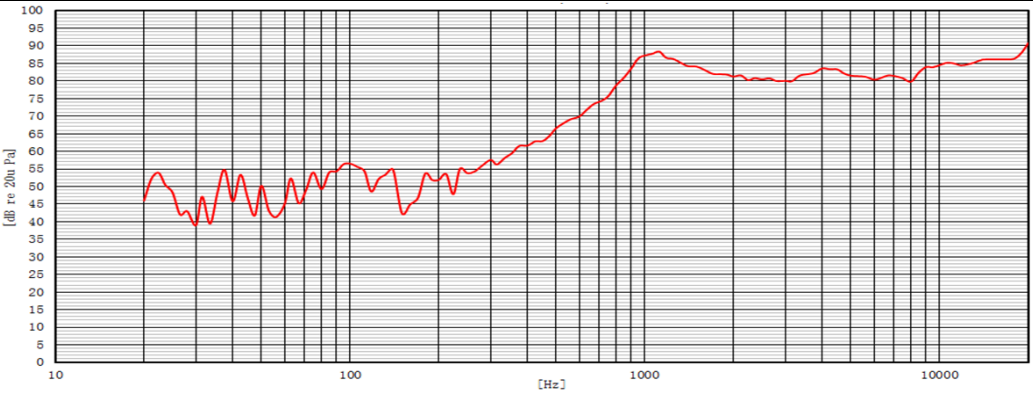
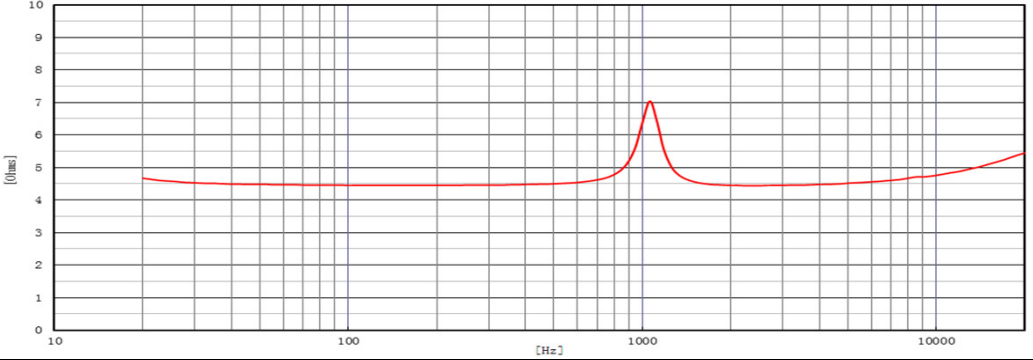
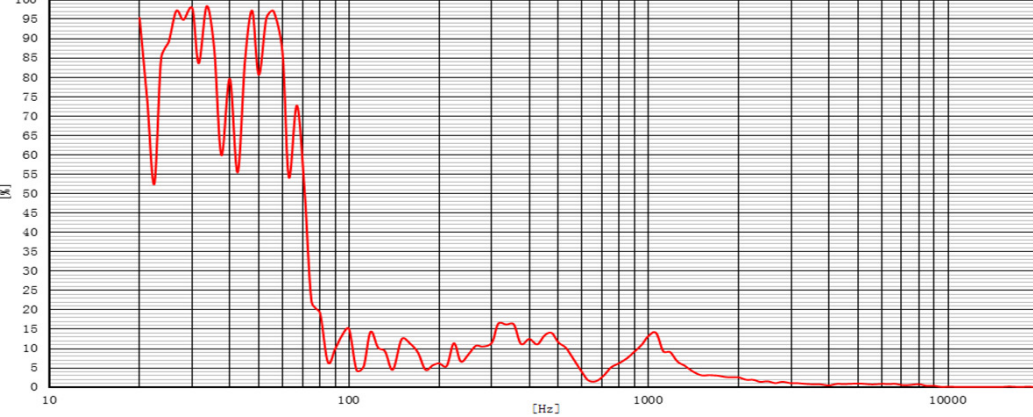
## Speaker Specification

厂内料号 : SNCN-0000131			客户料号:				
序号 No.	Item 项目	Specification 规格	Conditions 条件				
1	Size 尺寸	54*16*5.35mm					
2	Rated Impedance 额定阻抗	40hm ± 15%	At 2.5kHz/1V				
3	Rated Power 额定功率	2W					
4	Short term Max Power 短时最大功率	2.5W					
5	Resonance FREQ.Fo 最低共振频率	1060Hz±20%	1V input				
6	Frequency Range 有效频宽	fo~20kHz					
7	Output S.P.L. 灵敏度	84dB±3dB	0.5m /2W at 800, 1000, 1180,1500Hz AVE				
8	THD 失真	<5%	0.5m/2W at 2kHz~20kHz				
9	Magnet 磁铁	NdFeB	13. 45*5, 15*2mm				
10	Total Weight 产品重量	± 10%g					
11	Polarity 极性	Green light = normal, OK Red light = reversed, NG	With Positive DC Voltage To (+) ,The Diaphragm Shall Move Forward 直流电压正极接端子的(+)侧,纸盆向前对准检测仪探棒。				
12	Rub & Buzz 异常音检测	Must Be Normal 无异常	sine wave 300Hz~2kHz 2.83Vrms for a period 3 second 2 circles (一般环境听音距离30cm,静音室1米距离)				
13	Load Test 连续负荷试验	Refer to Item 32	Pink noise with 500Hz High Pass Filter 2W/2.83V 100H(20~30℃/60~70%RH)				
14	Humidity Test 湿度试验		40℃ 90~95%RH 96H				
15	Heat Test 高温试验		70℃ 20~50%RH 96H				
16	Cold Test 低温试验		-20℃ 96H				
17	Temperature Cycle Test 温度循环试验		参考第32项	Low Temperature:-20℃±2℃ High Temperature:+70℃±2℃ 			
18	Environmental Requirements 环保要求	HF+RoHS2.0					
19	waterproof level 防水等级	Must Be Normal 无异常					
20	Salt Spray Test 盐雾试验	Must Be Normal 无异常					
21	VC Temperature Rise 音圈温度上升试验						
D			REV	SHEET	APPROVAL	CHECKED	DESIGN
C			X1	1/3			wangjun
B							
X1	Initial	2024.02.21			wangjun		
ISS	CHANGE RECORDS	DATE	REVISER				2024.02.21



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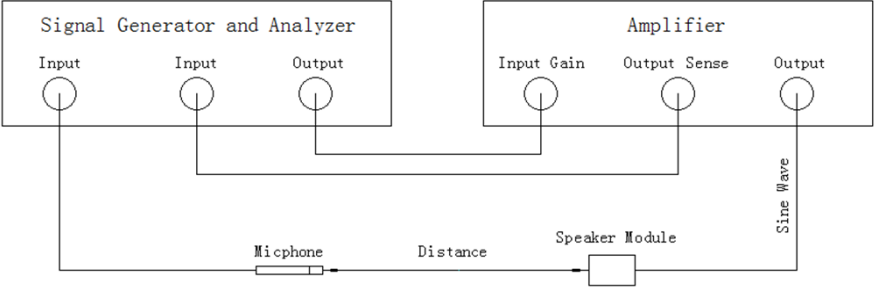
## Speaker Specification

厂内料号 : SNCN-0000131			客户料号:			
Item	Specification	Conditions				
项目	规格	条件				
22	Drop test 跌落试验	Must Be Normal 无异常	1M 1Time 			
23	Packing Dropping Test 捆包落下试验	Must Be Normal 无异常	一角三棱六面 60cm各一次			
24	Packing Vibration Test 捆包振动试验	Must Be Normal 无异常	振动方向	转速 (RPM)	振动时间 (Min)	
			水平	900	60	
				1200	60	
25	Use of temperature 使用温度范围	-20°C ~ 50°C				
26	Storage temperature 保存温度范围	-30°C ~ 60°C				
27	Standard Test Conditions 标准测试条件					
	Frequency response curve 频率响应曲线					
	2W					
	input 2.83V					
	Distance 0.5m					
	Soundcheck					
28	Standard Test Conditions 标准测试条件					
	Impedance curve 阻抗曲线					
	input 1V					
	Soundcheck					
29	Standard Test Conditions 标准测试条件					
	Distortion response curve 频率响应曲线					
	2W					
	input 2.83V					
	Distance 0.5m					
	Soundcheck					
D		REV	SHEET	APPROVAL	CHECKED	DESIGN
C						
B						
X1	Initial	2024.02.21	wangjun	X1	2/3	wangjun
ISS	CHANGE RECORDS	DATE	REVISER			2024.02.21



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## Speaker Specification

厂内料号 : SNCN-0000131		客户料号:
Item 项目	Specification 规格	Conditions 条件
30	Test Climatic Condition (Refer to IEC 268-1)	Ambient temperature: 15°C ~ 35°C, preferably at 20°C 环境温度: 15°C~35°C, 20°C为佳
	测试气候条件 (参考ICE 268-1)	Relative humidity: 25% to 75% 相对湿度: 25% 至 75%
		Air pressure: 86kPa ~ 106kPa 气压: 86kPa~106kPa
31	Test Method	The speaker module and microphone module should be fixed on the fixed bar in the acoustic anechoic chamber. The distance between microphone module and speaker module should be 0.5m. the driving signal is 2.83Vrms sinusoidal signal and sweep from 20 Hz to 20kHz with 1/12 Octave (ISO R40) sequence.
	测试方法	扬声器模块和麦克风模块应固定在无响室的固定杆上。麦克风模块和扬声器模块之间的距离应为 0.5m。驱动信号是 2.83Vrms 正弦波信号, 以 1/12 倍频程 (ISO R40) 从 20 Hz 扫描到 20k Hz。 
32	Reliability Instructions  可靠性验证说明	Immediately after reliability test, the samples shall be stored under climatic conditions such as normally exist in ordinary rooms or laboratories. Unless otherwise noted, the recovery period shall be 4 hours at least before performance testing. After reliability test, all samples must be meet the requirements specified in item 3~8. 可靠性测试后, 样品应立即储存在普通房间或实验室通常存在的气候条件下。除非另有说明, 性能测试前恢复期至少为 4 小时。可靠性测试后, 所有样品必须满足第 3~8 项的要求。

D				REV	SHEET	APPROVAL	CHECKED	DESIGN	
C				X1	3/3			wangjun	
B									
X1	Initial	2024.02.21	wangjun						
ISS	CHANGE RECORDS	DATE	REVISER					2024.02.21	

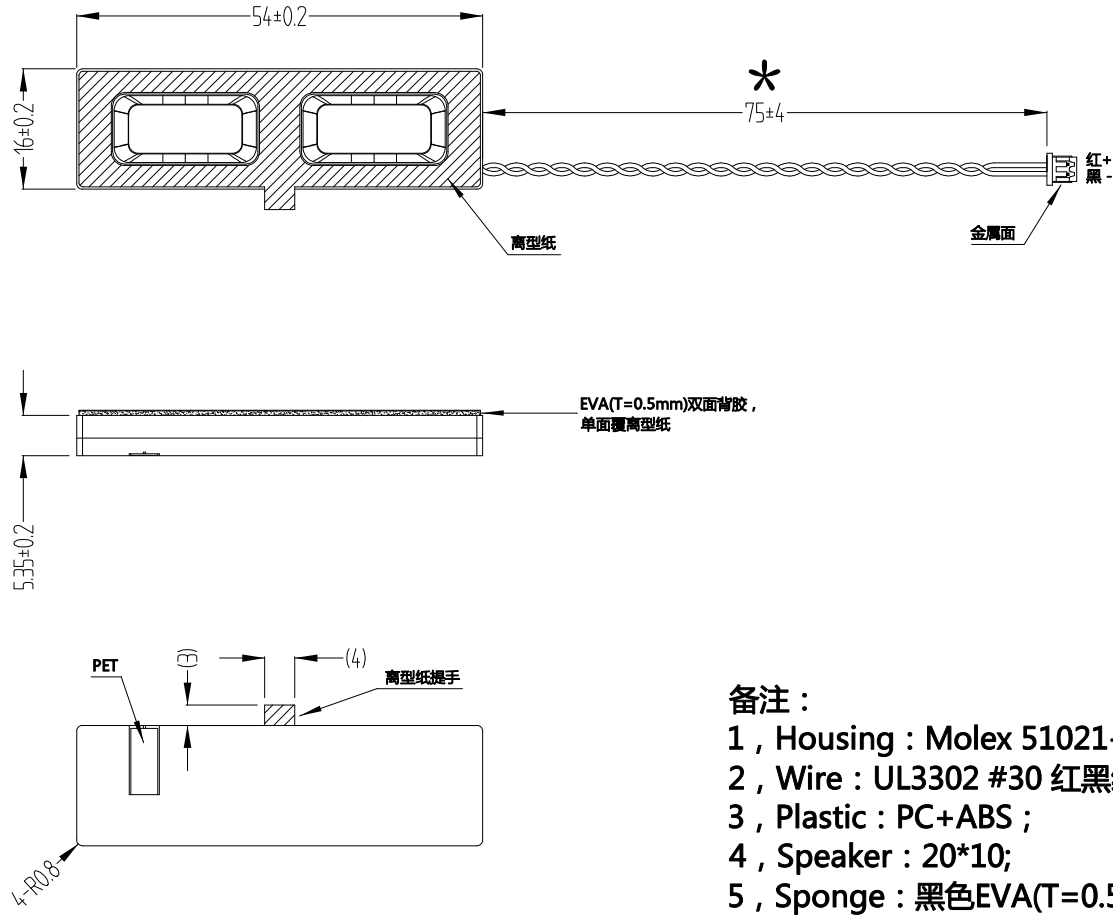
产品必须符合SNC QMI-P23-01要求

○号为重点管控尺寸

\*号为必检尺寸

( )号为参考尺寸

Rohs2.0+HF



备注：

- 1, Housing : Molex 51021-2P(or Compatible);
- 2, Wire : UL3302 #30 红黑绞线 ;
- 3, Plastic : PC+ABS ;
- 4, Speaker : 20\*10;
- 5, Sponge : 黑色EVA(T=0.5mm)

RANGE	TOL±							
	M1	M2	S1	S2	P1	P2	C	B
0-6	0.05	0.1	0.15	0.2	0.05	0.1	1	0.15
6-30	0.1	0.2	0.15	0.25	0.1	0.15	1	0.15
30-80	0.15	0.25	0.2	0.3	0.2	0.4	2	0.25
80-180	0.15	0.3	0.25	0.45	0.4	0.8	3	0.25
180-315	0.2	0.5	0.4	0.6	0.6	12	3	0.3
315-800	0.3	0.8	0.7	1.1	0.8	15	5	0.5

E			
D			
C			
B			
A	initial	2024.03.21	wangjun

料号 PART No.	SNCN-0000131	机种 MODEL	DT302	材质 MATERIAL	
客户料号 CLIENT PART No.		品名 TITLE	箱体	日期 DATE	2024.03.21
绘图 DRAWER	wangjun	核准 CHECKER		承认 APPROVER	
 苏州高瑞洋电子有限公司 Suzhou Sound Nice Electron.,Ltd				比例 SCALE	1:1
				单位 UNIT	mm
				角法 3RD	