



深圳市兴华鑫电子科技有限公司

Shenzhen xinghuaxin Electronic Technology Co., Ltd

承認書

SPECIFICATION FOR APPROVAL

客戶 (Customer):

客戶料號 (Customer P/N):

興華鑫型號 (Supplier P/N):

XHXDZ-45MM-8 Ω 0.5W

產品名稱 (Description):

喇叭 (Speaker)

產品規格 (Specification):

45MM 铁壳内磁纸盆

客戶承認欄 (Customer Authorization Signature)	深圳市興華鑫電子科技有限公司 承認欄 (Supplier Audit)		
	審核	檢查	制作
	唐国兴	唐玉来	吴银娟
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产品规格内容

1. TEST CONDITION (测试条件)

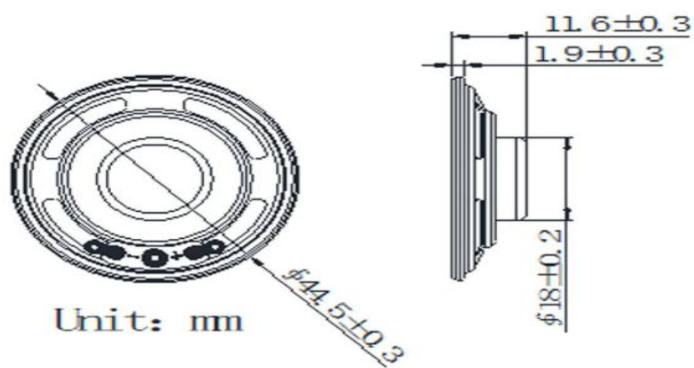
UNLESS OTHERWISE SPECIFIED, THE STANDARD RANGE OF ATMOSPHERIC CONDITIONS FOR MAKING MEASUREMENTS AND TESTS ARE AS FOLLOWS (无特定要求时如下述测试条件): $5^{\circ}\text{C}\sim 35^{\circ}\text{C}$, 25%~85%RH, 860 HPA~1060 HPA

IF THERE IS NO DOUBT ABOUT THE RESULTS, MEASUREMENT SHALL BE MADE WITH IN THE FOLLOWING LIMITS (当判定有疑义的场所如下述测试条件):

2. SPECIFICATION OF SPEAKER MODE (扬声器模式规格)

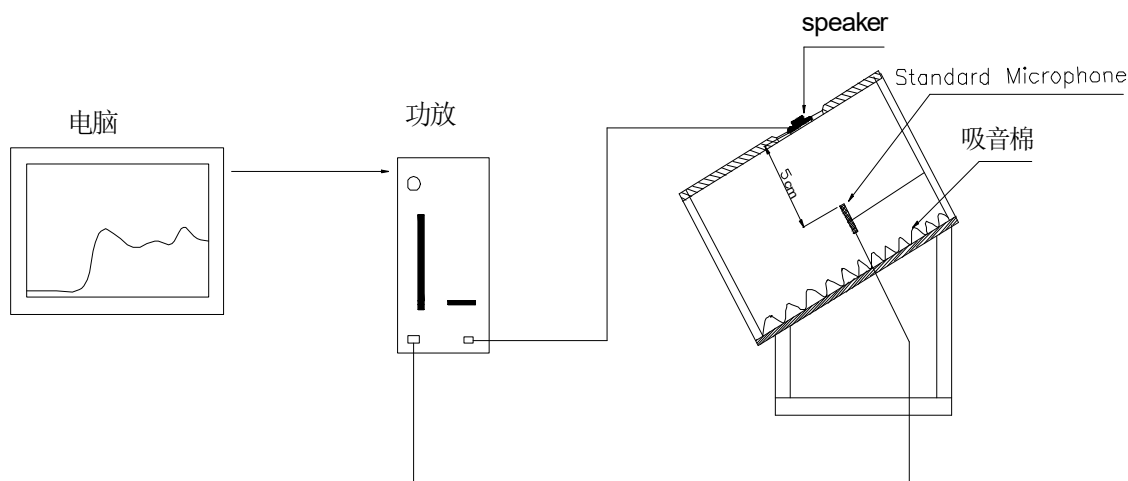
2-1	NOMINAL IMPEDANCE 公称阻抗	$8\pm 15\% \Omega$	AT 1K Hz 1.0V
2-2	RESONANCE FREQUENCY 最低共振周波数	400HZ $\pm$ 20%	AT 1.0V
2-3	OUTPUT S.P.L 出力音压	86 $\pm$ 3dB 0.5W/ 0.5M	AT 800.1000.1500.2000 Hz
2-4	RATED INPUT POWER 定格入力	0.5W	AT 2.0 V
2-5	MAX. INPUT POWDR 最大入力	1.0W	AT 2.83V
2-6	FREQUENCY RESPONSE & DEVIATION 实效频宽	F0~5KHz	OUTPUTS.P.L $\pm$ 10dB
2-7	BUZZES& RATTLES 异常音试验	SHOULD NOT BE AUDIBLE BUZZ AND RATTLE(无异常声)	SINE WAVE BETWEEN(正弦波 入力) AT2.0V/FO~3.5K Hz
2-8	DISTORTION 失真	5% MAX	AT 0.5W / 1000Hz
2-9	POLARITY 极性	WHEN A POSITIVE D.C CURRENT IS APPLIED TO THE COIL TERMINAL MARKED+, THE DIAPHRAGM SHALL MOVE FORWARD (端子的正极通入电流,振动板向前方运动)	
2-10	MAGNET SIZE 磁铁尺寸	SIZE (尺寸): $\Phi 12.5 \times 1.5$ NdFeB	
2-11	NET WEIGHT 总重量	G (OZ) 1 Oz=28.35G	
2-12	OPERATING TEMPERATURE 动作温度	-25°C TO $+50^{\circ}\text{C}$	
2-13	STORAGE TEMP ERATURE 储存温度	-30°C TO $+55^{\circ}\text{C}$	
2-14	WELD 焊接条件	端子焊接 TERMINAL WELD: $370^{\circ}\text{C}\sim 420^{\circ}\text{C}$ 2~3SECX2BIT	
2-15	PLACE OF PRODUCTION 生产地	CHINA 中国	

3.外观尺寸图



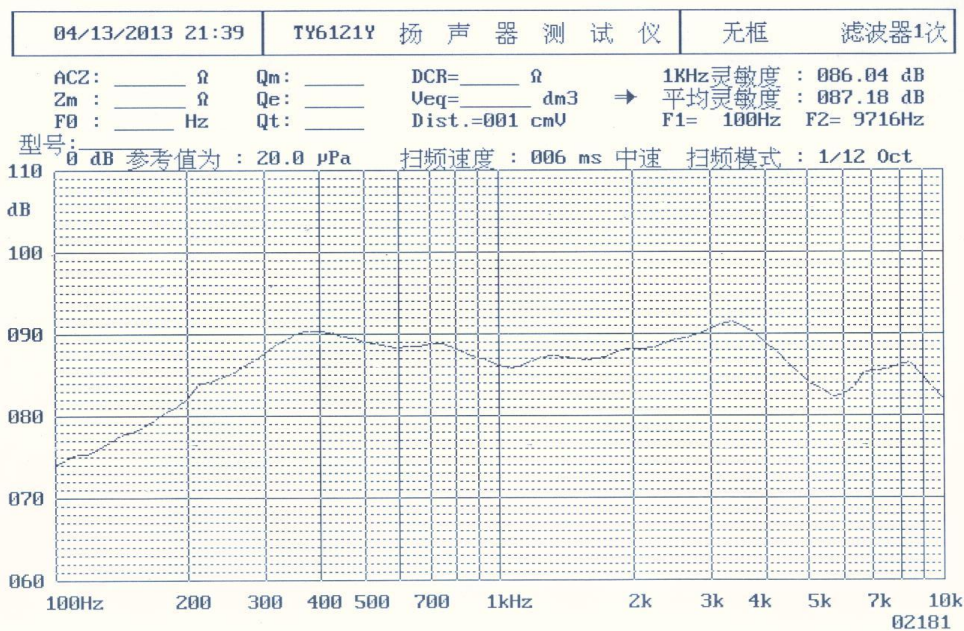
Unit:mm Tolerance: ± 0.3

4. 测试回路



5. FREQUENCY RESPONSE (周波数特性)

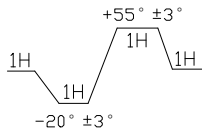
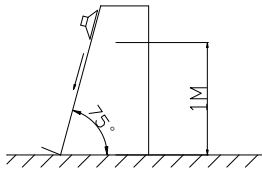
附曲线图



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6.ENVIRONMENTAL CHARACTERISTICS 信 赖 性 试 验

6-1	RESULTS OF AFTER TEST 测试结果	SENSITIVITY DIFFERENCE SHALL BE WITHIN 3dB (试验前后出力音压的变化在 3dB 范围内) SOULD NOT EXIST ANY OBSTACLE TO BE HAMFUL TO NORMAL OPERATION: DAMAGES, CRACKS, RUSTS AND DISTORTIONS, ETC. (外观满足无损伤, 裂缝, 生锈, 变形等等)
6-2	TERMINAL STRENGTH 端子强度	A STATIC LOAD OF 3.0KG SHALL BE APPLIED TO THE TERMINALS FOR 3S IN ANY DIRECTION BETWEEN TERMINAL BLOCK AND FRAME AND BETWEEN TERMINAL BLOCK AND FASTEN TERMINAL (端子板和支架或焊片任一方向上, 3.0KG 力 3 秒无异常)
6-3	LOAD TEST 连续负荷试验	MUST BE NORMAL AFTER LOAD TEST: WHITE NOISE 0.5W 96 HOURS. (白噪音 0.5W 连续 96 小时试验后无异常的不良)
6-4	HIGH TEMPERATURE TEST 耐热试验	AFTER HAVING BEEN IN A TEST CHAMBER FOR 96 HOURS AT THE CONDITION OF $+55\pm 3^{\circ}\text{C}$, AND KEEP 2 HOURS. ($+55\pm 3^{\circ}\text{C}$, 96 小时试验常温 2 小时后, 无异常的不良)
6-5	COLD TEMPERATURE TEST 耐寒试验	AFTER HAVING BEEN IN A TEST CHAMBER FOR 96 HOURS AT THE CONDITION OF $-20^{\circ}\text{C}\pm 3^{\circ}\text{C}$, AND KEEP 2 HOURS. ($-20\pm 3^{\circ}\text{C}$, 96 小时试验常温 2 小时后, 无异常的不良)
6-6	HUMIDITY TEST 耐湿试验	AFTER HAVING BEEN IN A TEST CHAMBER FOR 96 HOURS AT THE CONDITION OF $+40\pm 3^{\circ}\text{C}$, 90~95%, AND KEEP 2 HOURS. ($+40\pm 3^{\circ}\text{C}$, 90~95% 96 小时试验常温 2 小时后, 无异常的不良)
6-7	TEMPERATURE CYCLE TEST 温度周期试验	LOW TEMPERATURE $-20^{\circ}\text{C}\pm 3^{\circ}\text{C}$ 1HR, HIGH TEMPERATURE $+55^{\circ}\text{C}\pm 3^{\circ}\text{C}$ 1HR; 1 CYCLE: TOTAL 5 CYCLE AND THEN KEEP 2HR IN A ROOM. (低温 $-20^{\circ}\text{C}\pm 3^{\circ}\text{C}$ 1 小时高温 $+55^{\circ}\text{C}\pm 3^{\circ}\text{C}$ 1 小时为 1 周期, 共 5 周期试验常温 2 小时后, 无异常的不良) 
6-8	DROP TEST 跌落试验	THE SPEAKER SHALL BE DROPPED 5 TIMES AS SHOWN IN THE FIGURE, CLAUSE 2-7 SHALL BE SATISFIED. (如右图示 5 回跌落满足异常音试验无异常) 
6-9	INSULATION RESISTANCE 绝缘抵抗	A VOLTAGE OF 100V. D. C SHALL BE APPLIED FOR 1 MIN BETWEEN A TERMINAL AND A FRAME, AFTER WHICH MEASUREMENT SHALL BE MADE. , $2\text{M}\Omega$ OF MORE (D. C. 100V, 1 分钟后端子与支架间 $2\text{M}\Omega$ 以上)
6-10	VIBRATION DURABILITY (PACK) 振动试验 (捆包状态)	X, Y, Z AXIS; 10—55—10HZ/ONE MINUTE; AMPLITUDE: 1.5MM, ENDURANCE: 2 HR EACH PLAN. (沿 X, Y, Z 三轴 10-55-10HZ/1 分钟, 振幅 1.5MM 各 2 小时)
6-11	备注	