

样 品 承 认 书

Specification For Approval

客户名称 Customer Name	
型 号 Part No	2308 8Ω 1W
客户型号 The customer Part No	
样品日期 Model Date	

客户承认签署

签定结果:		
核准/ <i>Approved:</i>	审核/ <i>Checked:</i>	经办/ <i>Designed:</i>

海旭确认签署

核准/ <i>Approved:</i>	审核/ <i>Checked:</i>	经办/ <i>Designed:</i>

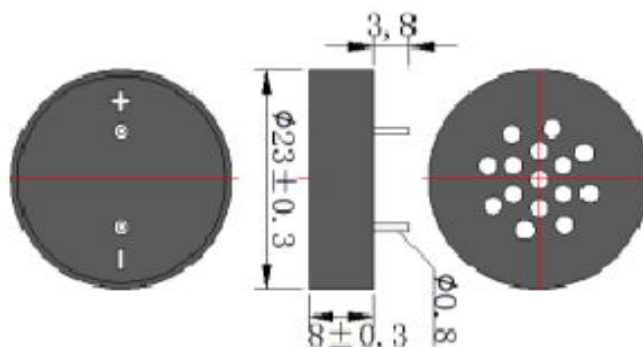
承认后请签回一份! *Thank you very much!*

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性能参数 Electrical Characteristics

NO.	Item	Symbol	Unit	Specification	Condition
1	DIMENSION 尺寸		mm	23*8.0	
2	Power Rating 功率		W	Rated1.0 MAX1.2	Maximum Power:IEC-60268-5 Filter 60s On/120s Off 10 Cycles(Room TEMP.)
3	Impedance 阻抗	Ω	ohm	$8\Omega \pm 15\%$	At 1.0kHz 890m V
4	Resonance Frequency 低音谐振	F0	Hz	$1650 \pm 20\%$	At 890mV
5	Output S.P.L 音压位置		Db	$88\text{dB} \pm 3\text{dB}$	at 0.1w/0.1m 1.0K, 1.2k,1.5KHz,2.0KHz on average
6	Frequency Rang 有效频宽		Hz	F0—10K	Output S.P.L. $\pm 10\text{dB}$
7	Distortion 失真		%	10% Max	At 2.0kHz, <u>0.1</u> W
8	Weight 重量		g		
9	Magnet 磁石		mm		Nd-Fe-B(钕铁硼)
10	Polarity 极性	When a positive current is supplied from the speaker the terminal marked (+) and a negative to the other terminal the diaphragm must move toward the front.			
11	Work temp. 工作温度		℃	-20 ~ 60	
12	Storage temp. 存储温度		℃	-20 ~ 60	
13	Buzze & Rattle 异常音				Not be audible at 2.83V sine wave between F0~5.0KHz. 输入 <u>2.83V</u> 正弦波从 F0 到 5KHz 之间无异常音.
14	Environmental Protection Regulation 环保法规			ROHS	

外形图 DIMENSIONS (UNIT: mm) 未标注公差按±0.3mm 计算 Tolerance: ±0.3mm Except Specified



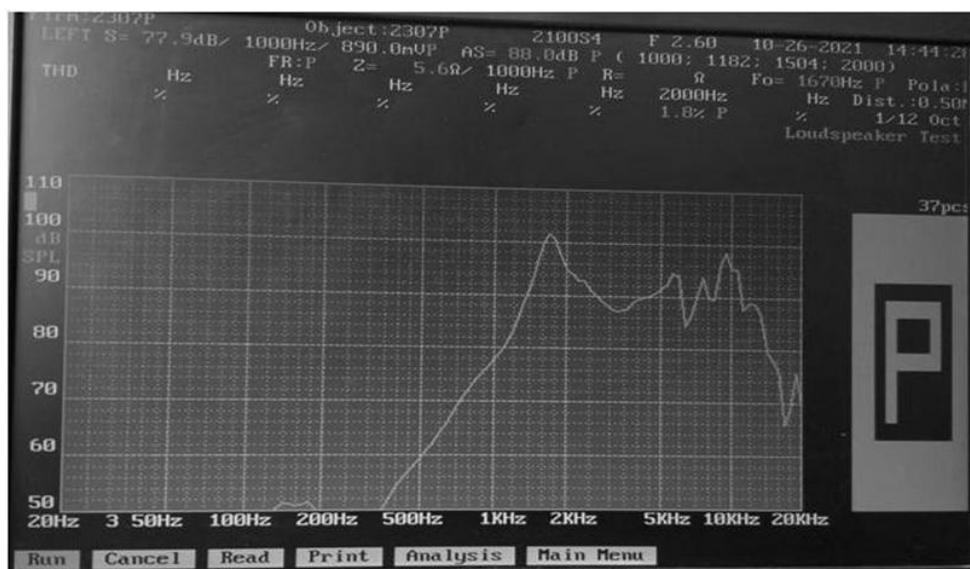
注：针间距 10mm

 昆山海旭科技电子有限公司 Kunshan Haixu Electronic Technology Co. Ltd		
可靠性测试 RELIABLY TEST		
项目 ITEM	测试条件 TESTING CONDITION	试验后要求 VARIANCE AFTER TEST
高温试验 High Temperature Test	放置 55±2℃ 96 小时，再室温放置 2 小时。 After being placed in a chamber with 85±2℃ for 96 hours and then being placed in natural condition for 2 hours.	声压变化±10dB。 Allowable variation of SPL after test: ±10dB.
低温试验 Low Temperature Test	放置-20±2℃ 96 小时，再室温放置 2 小时。 After being Placed in a chamber with -30±2℃ for 96 hours and then being placed in natural condition for 2 hours.	声压变化±10dB。 Allowable variation of SPL after test: ±10dB.
恒湿试验 Humidity Test	存放在温度：60±5℃湿度：90%--95%的环境里 96 小时，然后放置到室温下放置 2 小时后测试。 Stored in the temperature humidity: 60±5℃ 90%--95% environment for 96 hours, and then placed into storage at room temperature for 2 hours after the test.	声压变化±10dB。 Allowable variation of SPL after test: ±10dB.
Temperature Cycle Test 温度循环试验	放置-20±2℃ 30 分钟、25℃ ±10℃放置 15 分钟，15 分钟后再将产品放入 +55±2℃30 分钟、常温 25℃ ±10℃放置 15 分钟，20 个循环后放置常温下 2 小时。 After being placed in a chamber with -30±2℃ for 30 minutes, products shall be placed at room temperature(25℃ ±10℃).After 15 minutes at this temperature, products shall be placed in a chamber at +85±2℃ .After 30 minutes at this temperature, products shall be return to room temperature (25℃ ±10℃) for15 minutes. After 20 above cycles, products shall be measured after being placed in natural condition for 2 hours.	声压变化±10dB。 Allowable variation of SPL after test: ±10dB.
Drop Test 跌落试验	正面和侧面从 75cm 高度只有跌落在 4cm 厚度的木板上 3 次。 The front and side from a height of 100cm only drop in the 4cm thickness of theboard 3 times each.	声压变化±10dB。 Allowable variation of SPL after test: ±10dB.
Vibration Test 振动试验	After being applied vibration of amplitude of 1.5mm with 10 to 55 Hz band of vibration frequency to each of 3 perpendicular directions for 2 hours. 频率 10~55Hz，振幅 1.5mm，3 个方向，振动 2 小时。	声压变化±10dB。 Allowable variation of SPL after test: ±10dB.
Solderability Test 可焊性试验	Lead terminals are immersed in rosin for 5 seconds and then immersed in solder bath of 260±5℃ for 3±0.5 seconds (Except the edge of terminals). 端子在松香中浸入 5 秒并在 260±5℃锡中浸 3±0.5 秒	95% min. lead terminals shall be wet with solder 有 95%吃锡效果。
焊锡耐热性 Solder heat resistance	将产品针脚放置在 250±10℃的锡炉里，持续 10 秒。 在产品针脚上锡部位使用 350℃进行上锡持续 5 秒。	测试后产品外形尺寸和性能 指标应满足承认书要求

可靠性测试 RELIABLY TEST

项目 ITEM	测试条件 TESTING CONDITION	试验后要求 VARIANCE AFTER TEST
Load test 连续负荷	1.0W white noise is applied for 24 hours, at room temp. 在室温下,输入功率 0.5W, 白杂音连续操作 24 小时.	Being placed for 1 hours at +25℃ ,speaker shall be measured.No obstacle to be harmful to normal operation;damages, cracks, rusts, etc. Should not be audible at 2.0 V sine wave between F0~3.0KHz. F0 should meet initial one.S.P.L. deviation of unit should be within $\pm 3\text{dB}$ 经测试后,静置于 +25(室温)环境中 1 小时后,测试后无任何障疑防疑正常操作.且在输入 2.0 V 正弦波从 F0 到 3.0KHz 之间无异常音.F0 比原规格值相同,输出音压变化量在 $\pm 3\text{dB}$ 内.
Lead Wire Pull Strength 线材拉力 (PIN 针不适用此项)	The pull force shall be applied to double lead wire: Horizontal 3.0N(0.306kg)for 30 seconds. Vertical 2.0N(0.204kg)for 30 seconds. 双线材水平方向施以 3.0N(0.306kg)的力量,垂直方向施以 2.0N(0.204kg)的力量,各 30 秒.	No damage and cutting off 线材不松动, 不脱落.

Typical Frequency Response Curve (音频曲线图)



TESTING METHOD (测试方法)

