



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-2040-8 Ω 2W

產品名稱 (Description):

喇叭 (Speaker)

產品規格 (Specification):

2040 塑膠弹波

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
	日期: 2022 年 04 月 19 日 版次: A		

声音让生活更精彩!

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產品規格內容 (SPECIFICATION)

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產品規格內容 (SPECIFICATION) 1.使用範圍 (Scope) 此份規格書是針對多媒體產品內，所使用的微型揚聲器單體所提出的報告。 This specification covers our product of miniature speaker unit for multimedia product. 2.标准测试条件(Test condition) 一般规格试验状态（特殊要求除外）：常温 5~35℃，常湿 45%~85%，气压 860~1060hPa. 判定上有疑问时，试验状态为：温度 20±2℃，相对湿度 60%~70%，气压 860~1060 hPa. The test conditions unless otherwise specified should be normal temperature 5 to 35 ℃,Normal humidity 45 to 85% and normal atmospheric pressure 860 to 1060 hPa,However,if there arises a doubt in judgment,the test conditions shall beas follows: Temperature 20±2℃ Humidity 60%~70% Atmosphere 860~1060 hPa 3.電聲特性 (ELECTRO-ACOUSTIC CHARACTERISTICS) 3.1 額定阻抗(Rated Impedance): 8.0Ω ± 20% (AT 1.6K Hz ,1.0 Vrms) 3.2 額定輸入功率(Rated Input Power) 2.0Watt (At 4.0 Vrms white noise 96 Hours) 3.3 最大輸入功率(Max. Input Power) 2.2Watt 3.4 最低共振頻率(Resonant Frequency) 700 Hz ± 20% 3.5 輸出音壓(Output S.P.L) 90 ± 3dB (1.0 Watt , 0.1 Meter. Average at 1.5K,2.0K,2.5K,3.0K Hz) 3.6 實效頻率範圍(Frequency Range) Fo ~ 20KHz (By Output S.P.L. -10dB) 3.7 失真率(Distortion) Less than 5% (At 1.6KHz ,3.4 Vrms) 3.8 工作溫度(Operating Temperature) -25℃ ~ +50℃ 3.9 儲存溫度(Storage temperature) -25℃ ~ +55℃					
制 定		审 核		核 准	
		唐国兴		文 件 编 号	

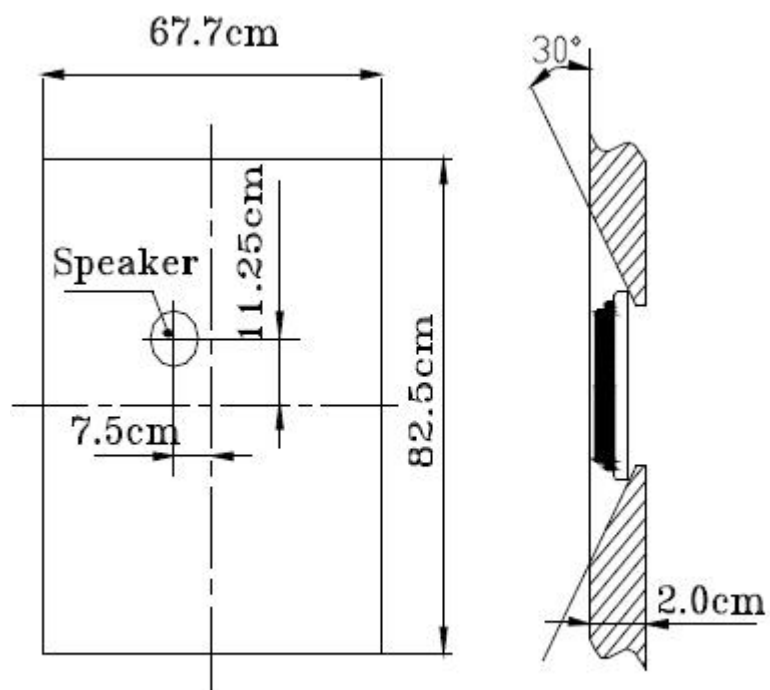
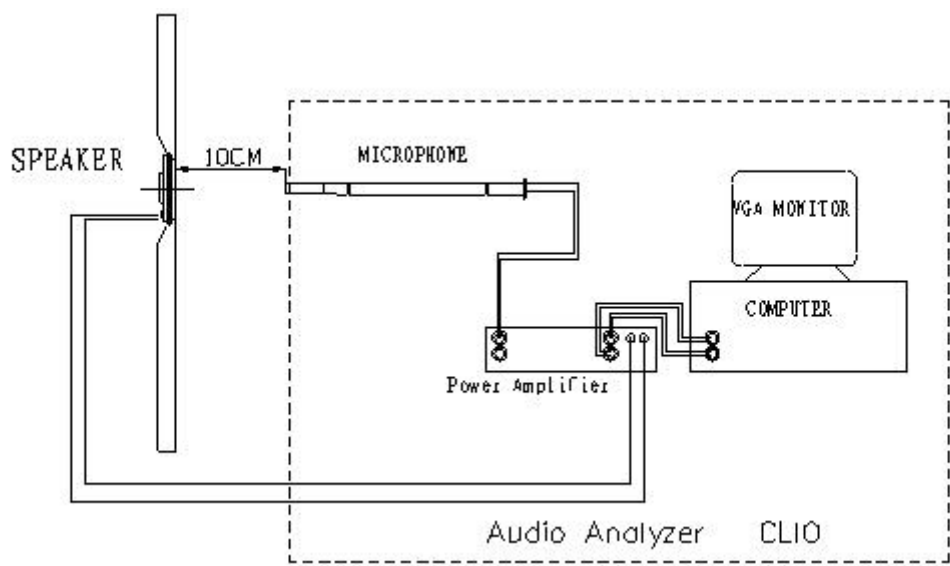
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4. 可靠性測試 (Reliability Test) 4.1 高低溫差循環測試(Temperature Cycling Test) <table border="1" style="margin-top: 10px;"> <tr> <td>A</td><td colspan="5">Low Temperature (-25°C±3°C)</td></tr> <tr> <td>B</td><td colspan="5">High Temperature (+55°C±3°C)</td></tr> <tr> <td>C</td><td colspan="5">Number of Cycle (3 Cycles)</td></tr> <tr> <td>D</td><td colspan="5">Duration of Exposure 1 Hours, at Each Temperature Extremes</td></tr> <tr> <td>E</td><td colspan="5">Duration of Recovery 1 Hours</td></tr> </table> 4.2 抗濕度試驗(Humidity Test) <table border="1" style="margin-top: 10px;"> <tr> <td>A</td><td>相對濕度(Relative Humidity)</td><td colspan="4">90-95% at + 40°C ± 3°C</td></tr> <tr> <td>B</td><td>測試時間(Durations)</td><td colspan="4">96 Hours</td></tr> <tr> <td>C</td><td>恢復時間(Durations of recovery)</td><td colspan="4">6 Hours</td></tr> </table> 4.3 連續負載測試(Load Test) White Noise Without Weighted Filter 4.0 Volts.(RMS) 100 Hrs. 4.4 跌落試驗(Drop Test) 75 cm Free Falling On Concrete Floor, 10 Times. 4.5 異常音測試(Buzzes & Rattles) Sine wave between at 4.0Vrms / 50~5000Hz 4.6 極性測試(Polarity test) Diaphragm Shall Move Forward When Apply a Positive DC. Current to the “+”or “Marked” Terminal.						A	Low Temperature (-25°C±3°C)					B	High Temperature (+55°C±3°C)					C	Number of Cycle (3 Cycles)					D	Duration of Exposure 1 Hours, at Each Temperature Extremes					E	Duration of Recovery 1 Hours					A	相對濕度(Relative Humidity)	90-95% at + 40°C ± 3°C				B	測試時間(Durations)	96 Hours				C	恢復時間(Durations of recovery)	6 Hours			
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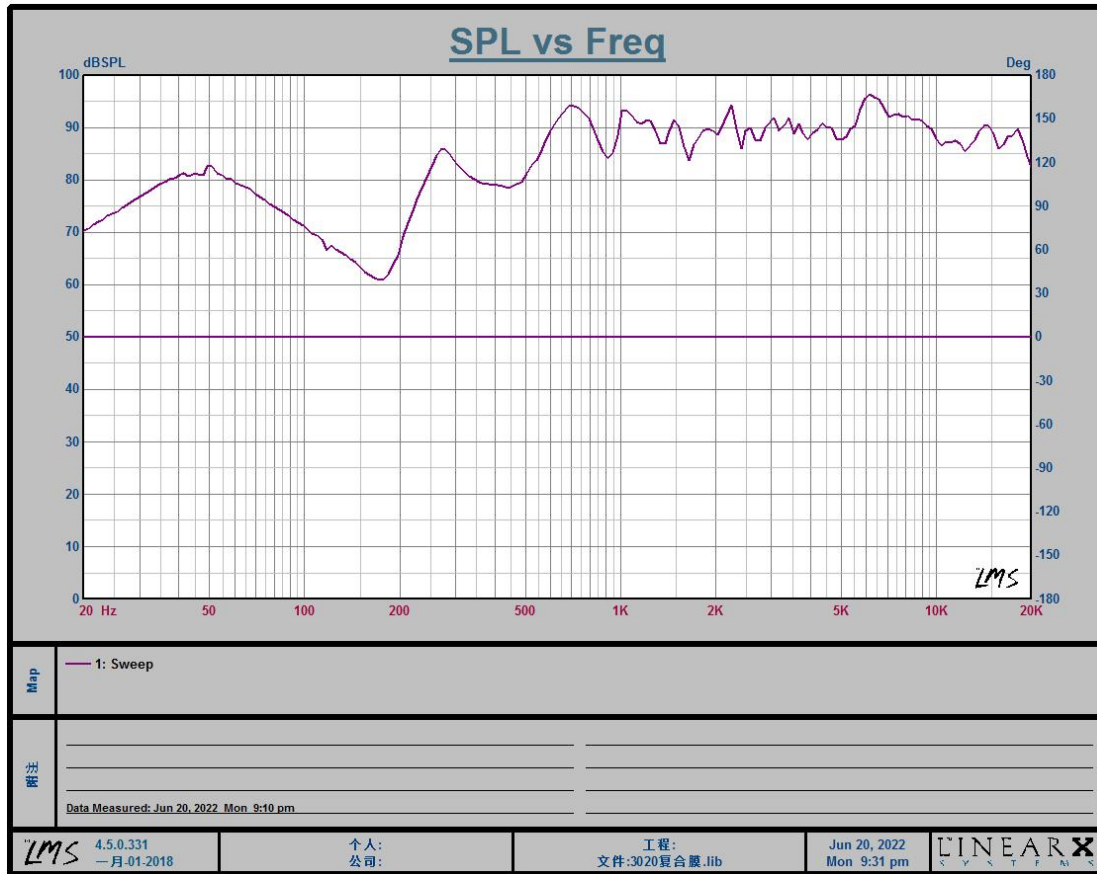
5.測量方式 (Measurement Method)



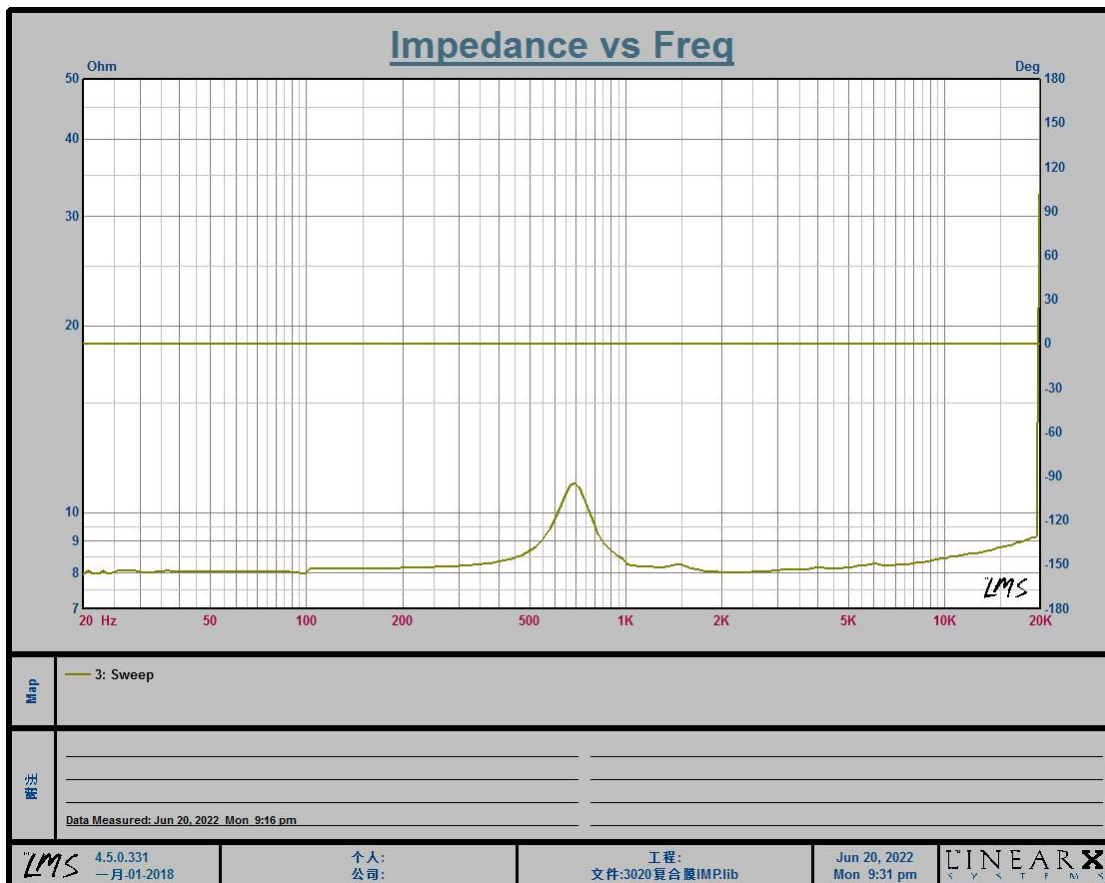
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6. 頻率響應曲線圖(Frequency Response Curve)



7. 阻抗曲線圖(Impedance Curve)

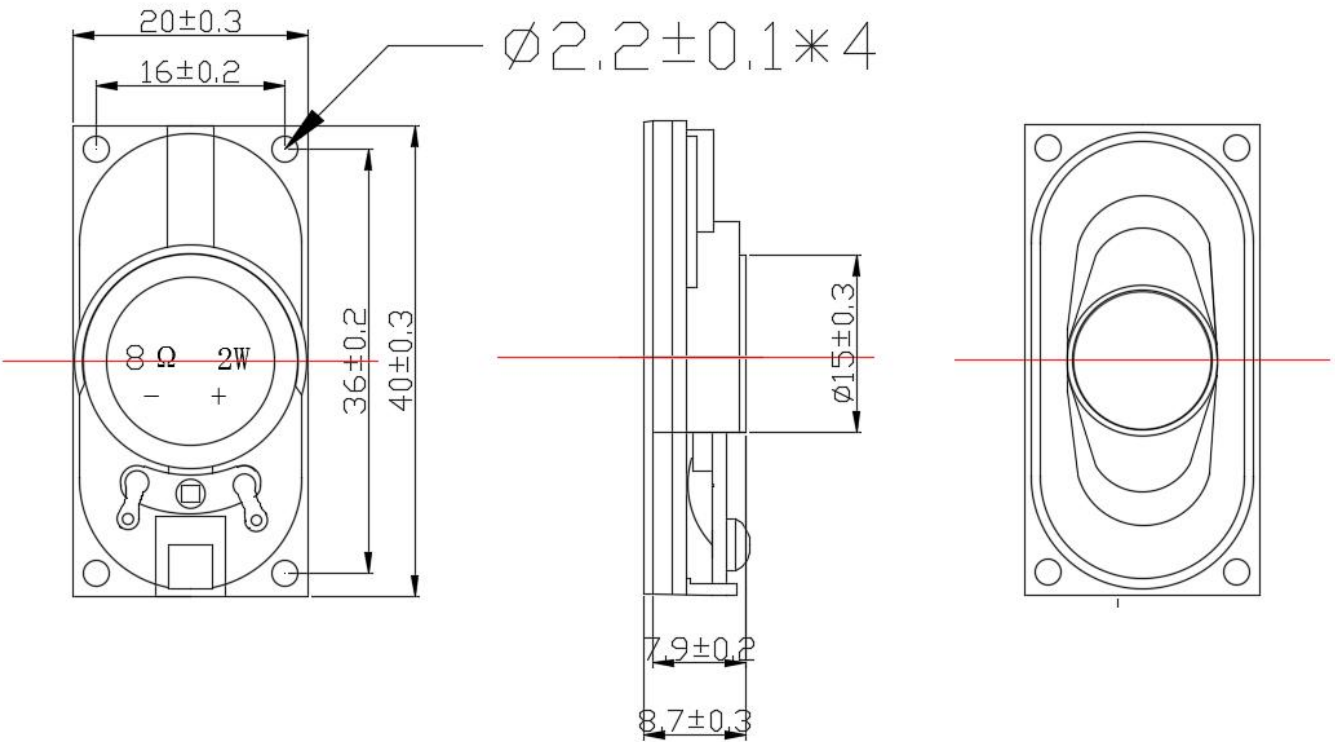


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8. 喇叭外觀描述

(Unit:mm tolerance:±0.3)



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9.包裝示意圖(Packing Standard):

(Unit:cm tolerance:±3)

PACKING STANDARD:

