

# SPECIFICATION FOR APPROVAL

## 承 認 書

Description : Speaker Transducer

Kingstate Part No. : KSSG1508

Customer's Model No. : \_\_\_\_\_

Specification No. : PKD-7509

Number Of The Edition : 1.1

CUSTOMER'S APPROVED SIGNATURE		

志豐電子股份有限公司 KINGSTATE ELECTRONICS CORP.

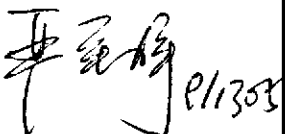


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Approved by	Checked by	Issued by
 2/1/305	Adison 9/12/05	JIR 9/12/05

## A. SCOPE 範疇

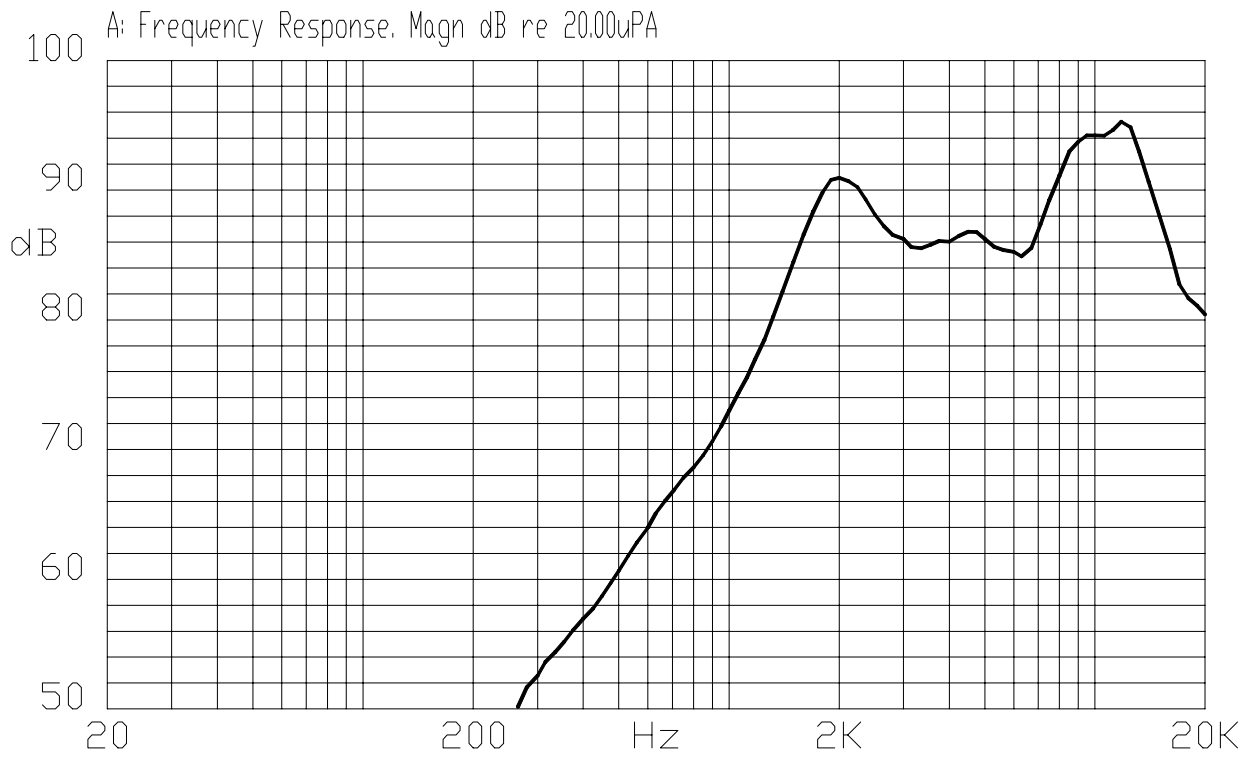
This specification applies speaker , **KSSG1508**

此規格書適用於喇叭 , **KSSG1508**

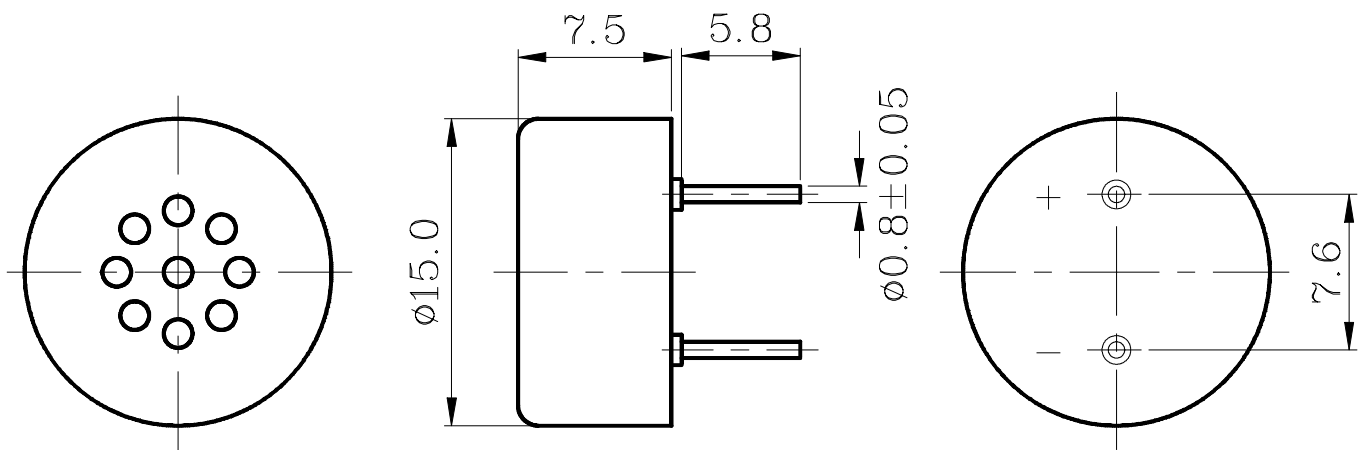
## B. SPECIFICATION 規格

No.	Item	Symbol	Unit	Specification	Condition
1	Dimension 尺寸		mm	15.0 x 7.5	
2	Power Rating 功率		W	Rated. 0.3/ MAX. 0.5	Maximum Power:IEC-60268-5 Filter 60s On/120s Off 10 Cycles (Room TEMP.)
3	Impedance 阻抗		ohm	8 ± 15%	At 3.0kHz 1.0V
4	Resonance Frequency 低音諧振	Fo	Hz	1,700 ± 20%	At 1.0V
5	Output S.P.L. 音壓位準		dB	87 ± 3dB(0.3w/10cm) 73 ± 3dB(1w/1m)	At 2.0k,2.5k,3.0k,4.0kHz (Average figures)
6	Frequency Rang 有效頻寬		Hz	Fo---20K	Output S.P.L. ±10dB
7	Distortion 失真		%	5% Max.	At 2kHz , 0.3W
8	Voice Coil 音圈		mm	-----	
9	Magnet 磁石		mm	6.5 x 1.5	Nd-Fe-B
10	Flux Density 磁通密度		Gauss	-----	Min.
11	Operating temp. 操作溫度			- 20 ~ +55	
12	Buzze & Rattle 異常音				Not be audible at 1.55V sine wave between Fo ~ 20KHz 輸入 1.55V 正弦波從 Fo 到 20KHz 之間無異常音
13	Weight 重量		g	2.0	
14	Material 材質			PBT+20% galss	
13	Environmental Protection Regulation 環保法規			RoHS	

### C. TYPICAL FREQUENCY RESPONSE CURVE 頻率響應曲線



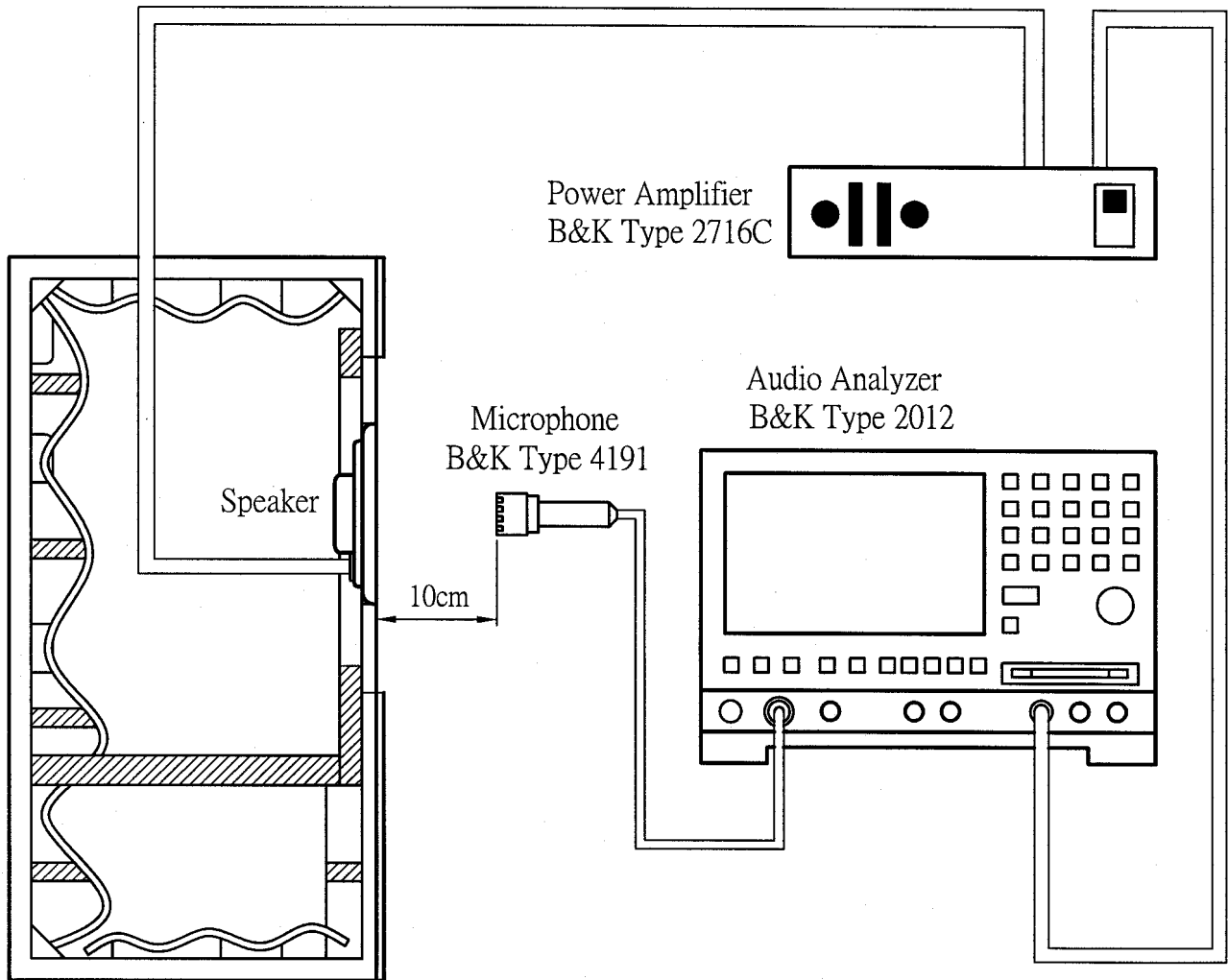
### D. APPEARANCE DRAWING 外觀尺寸圖



**Tol : ± 0.5**

**Unit : mm**

## E. MEASUREMENT CIRCUIT 測量線路



JIS C5531

940mm x 640mm x 1240mm

## F. MECHANICAL CHARACTERISTICS 機械特性

No.	Item	Test condition	Evaluation standard
1	Terminal strength 端子強度	Applied 9.8N(1.0kg) load to the terminal for 30 sec. 對端子施以 9.8N(1.0kg) 拉力 30 秒	No damage and cutting off. 線材不鬆動, 不脫落.
2	Vibration Test 振動測試	Speaker shall be measured after being applied vibration of amplitude of 1.5mm with 10 to 55Hz band of vibration frequency to each of 3 per-pendicular directions for 2 hours. 振動週波數 10 ~ 55Hz、全振幅 1.5mm 於 X.Y.Z 3 個方向, 各 2 小時.	No obstacle to be harmful to normal operation; damages, cracks, rusts and distortions. Should not be audible at 1.55V sine wave between Fo ~ 20KHz
3	Drop Test 落下測試	Drop the speakers contained in normal box onto the board 40mm thick 10 times from the height of 75cm 將揚聲器置於盒中, 自 75 公分高度落在 40mm 木板上共 10 次.	測試後無任何障礙防礙正常操作. 且在輸入 1.55V 正弦波從 Fo 到 20KHz 之間無異常音

## G. ENVIRONMENTAL TEST 環境試驗

No.	Item	Test conditions	Evaluation standard
1	High temp. Test 高溫測試	After being placed in a chamber at +55 for 96 hours 置於+55 環境中 96 小時	Being placed for 6 hours at +25 , Speaker shall be measured. No obstacle to be harmful to normal operation; damages, cracks, rusts, etc. Should not be audible at 1.55V sine wave between Fo ~ 20KHz. Fo should meet initial one. S.P.L. deviation of unit should be within $\pm 3\text{dB}$ 經測試後,靜置於+25 (室溫)環境中 6 小時後,測試後無任何障礙防礙正常操作.且在輸入 1.55V 正弦波從 Fo 到 20KHz 之間無異常音. Fo 與原規格值相同輸出音壓變化量在 $\pm 3\text{dB}$ 內
2	Low temp. Test 低溫測試	After being placed in a chamber at -20 for 96 hours. 置於-20 環境中 96 小時	
3	Humidity test 相對濕度測試	After being placed in a chamber at +40 and 90 $\pm$ 5%RH relative humidity for 96 hours. 置於+40 , 相對濕度 90 $\pm$ 5%環境中 96 小時	
4	Temp. cycle test 溫度循環測試	<p>The part shall be subjected to 5 cycles. One cycle shall consist of: 單體承受溫度循環測試 5 次,其循環內容如圖示:</p> <p>The diagram illustrates a temperature cycle test profile. It starts at +55°C for 2 hours, then ramps down to +25°C in 0.5 hours, stays at +25°C for 1 hour, ramps down to -20°C in 0.5 hours, and stays at -20°C for 2 hours. The total duration of one cycle is 6 hours.</p>	

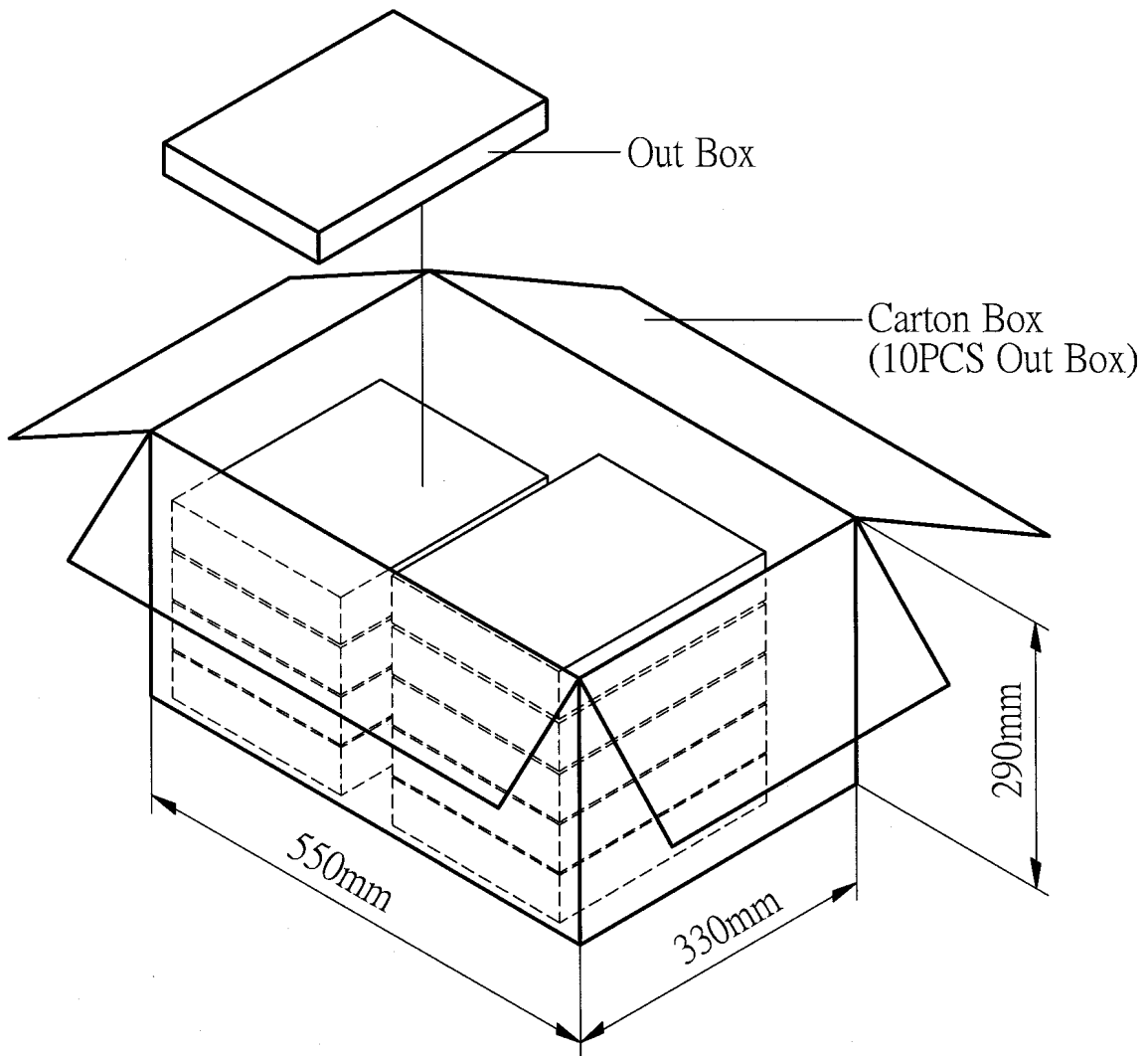
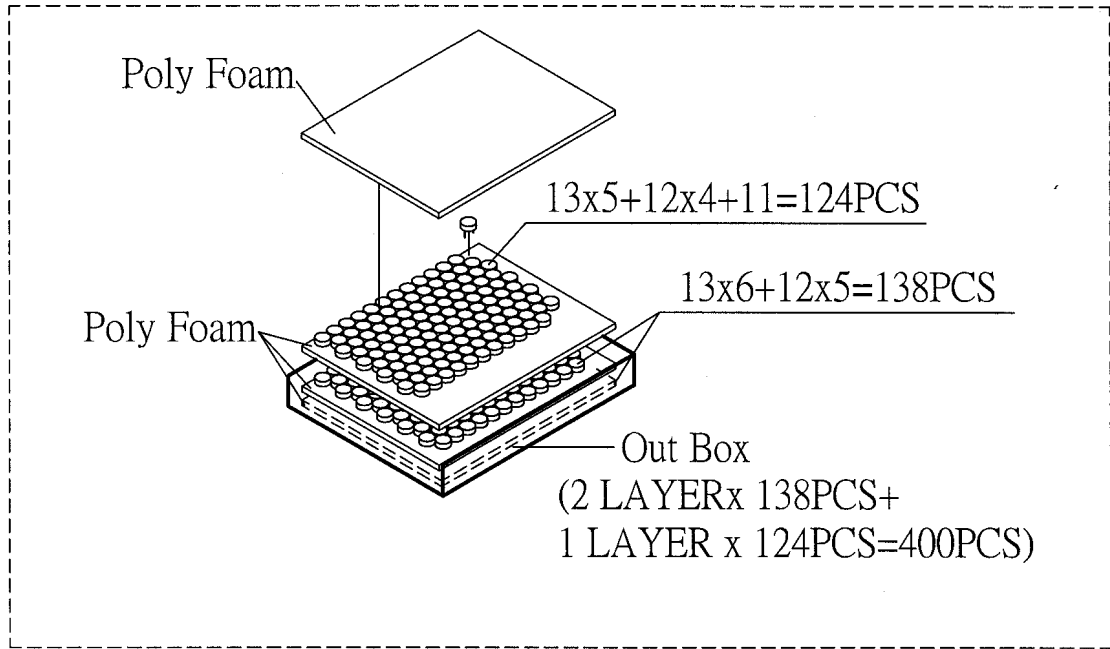
## H. RELIABILITY TEST 信賴性試驗

No.	Item	Test conditions	Evaluation standard
1	Load test 連續負荷	0.3W white noise is applied for 24 hours ,at room temp 在室溫下,輸入功率 0.3W, 白雜音連續操作 24 小時	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 1.55V sine wave between Fo ~ 20KHz. Fo should meet initial one. S.P.L. deviation of unit should be within $\pm 3\text{dB}$ 經測試後,靜置於+25 (室溫)環境中 1 小時後,測試後無任何障礙防礙正常操作.且在輸入 1.55V 正弦波從 Fo 到 20KHz 之間無異常音. Fo 與原規格值相同輸出音壓變化量在 $\pm 3\text{dB}$ 內

### TEST CONDITION.

Standard Test Condition :	a) Temperature : +5 ~ +35	b) Humidity : 45-85%	c) Pressure : 860-1060mbar
一般測試條件 :	a) 溫度 : +5 ~ +35	b) 濕度 : 45-85%	c) 氣壓 : 860-1060mbar
Judgement Test Condition	a) Temperature : +25 $\pm$ 2	b) Humidity : 60-70%	c) Pressure : 860-1060mbar
爭議時測試條件:	a) 溫度 : +25 $\pm$ 2	b) 濕度 : 60-70%	c) 氣壓 : 860-1060mbar

# I. PACKING STANDARD 包裝規格



Out Box	310mmx248mmx49mm	1x400PCS=400PCS
Carton Box	550mmx330mmx290mm	400PCSx10=4,000PCS

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