

SPECIFICATION FOR APPROVAL

仕 樣 書

Description : Dynamic Receiver

Kingstate Part No. : KDRG57032

Customer's Model No. : _____

Specification No. : POD-7586

Number Of The Edition : 1.1

CUSTOMER'S APPROVED SIGNATURE		

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

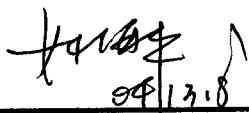


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Approved by	Checked by	Issued by
 2018/4/13	王振威 2018/4/13	雷士兵 2018-4-13

A. SCOPE 範疇

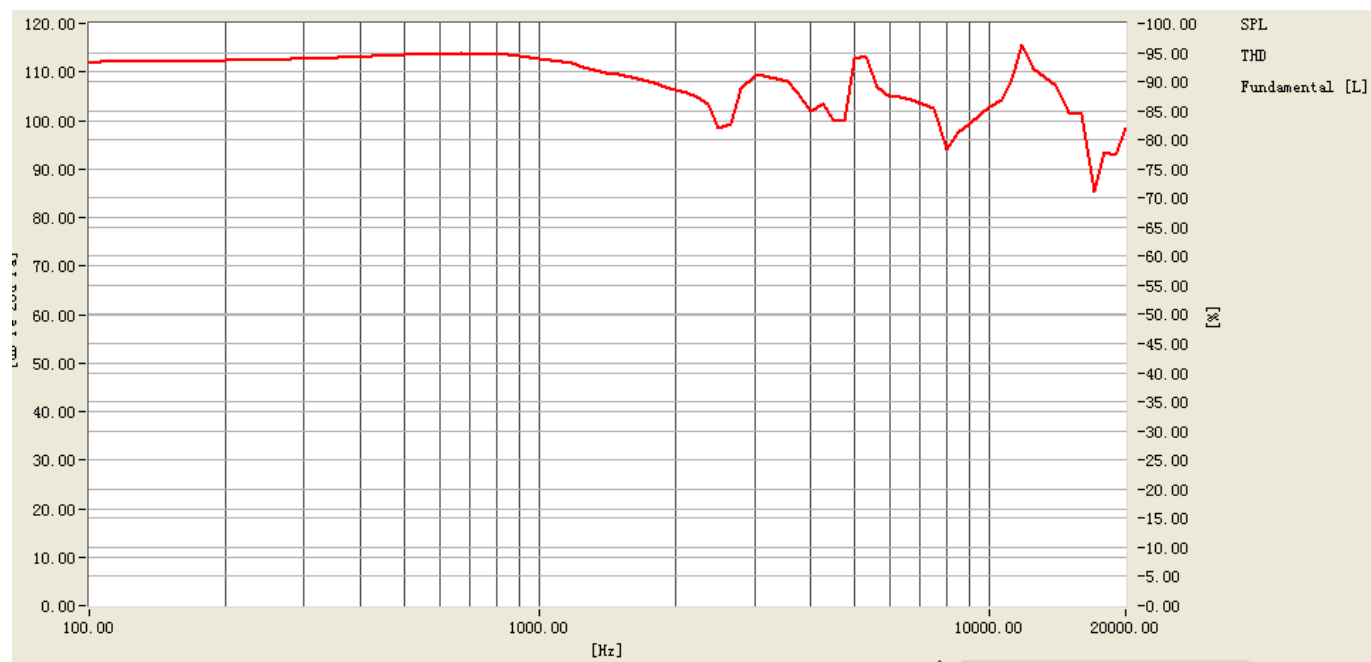
This specification applies receiver, **KDRG57032**

此規格書適用於受話器, **KDRG57032**

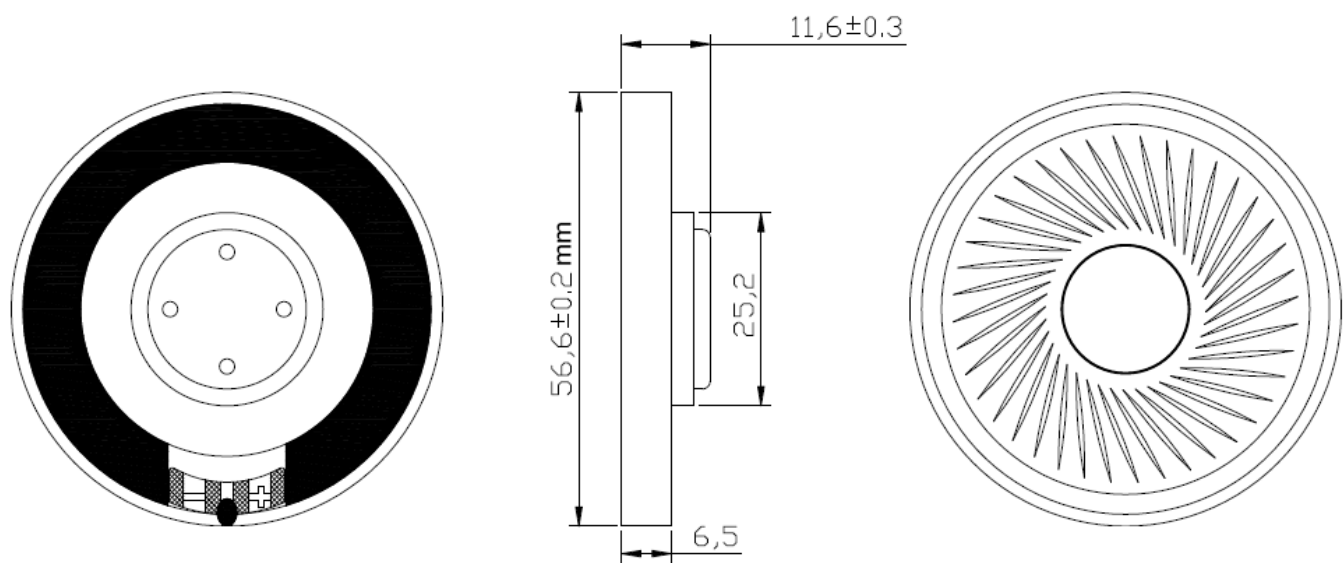
B. SPECIFICATION 規格

No.	Item	Symbol	Unit	Specification	Condition
1	Dimension 尺寸		mm	ϕ 56.6 x11.6	Refer to attached drawing in details
2	Power Rating 功率		mW	Rated.10mW/Max.20mW	Maximum Power:IEC-60268-5 Filter 60s On/120s Off 10 Cycles (Room TEMP.)
3	Impedance 阻抗	Ω	ohm	$32 \pm 15\%$	At 1.0kHz
4	Insulation Impedance 絕緣阻抗		M Ω	10	At 100 V D.C. between the terminal and receiver basket
5	S.P.L. 音壓位準		dB	108 ± 3	At 1.0KHz 179mV with IEC318 Coupler
6	Frequency Range 有效頻寬		Hz	80~3K	
7	Distortion 失真		%	3% Max	At 1.0KHz 179mV rms
8	Operating temp. 操作溫度		°C	-20~+50	
9	Buzze & Rattle 異常音				Not be audible at 0.56V sine wave between 80Hz ~ 3KHz 輸入 0.56V 正弦波從 80Hz 到 3KHz 之間無異常音。
10	Weight 重量		g	17.8 ± 0.5	
11	Material 材質			ABS (Black)	
12	Environmental Protection Regulation 環保法規			RoHS2.0	

C. TYPICAL FREQUENCY RESPONSE CURVE 頻率響應曲線



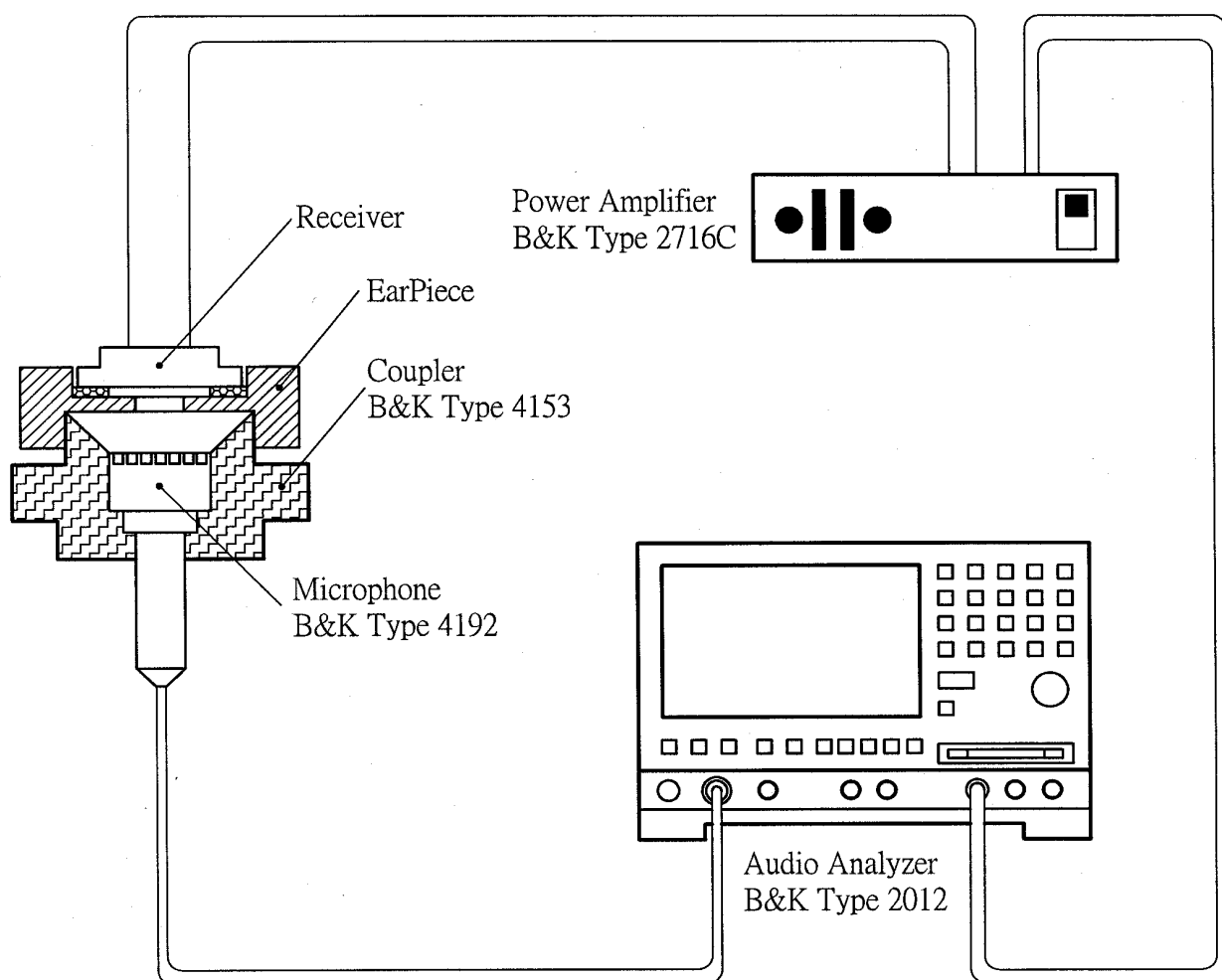
D. APPEARANCE DRAWING 外觀尺寸圖



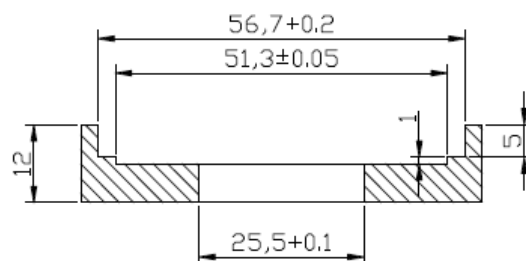
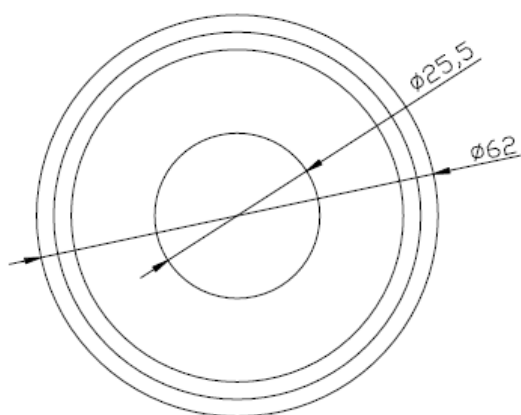
单位: mm

Tol: $\varnothing 0.3$

E. MEASUREMENT CIRCUIT 測量線路



Receiver 測試治具



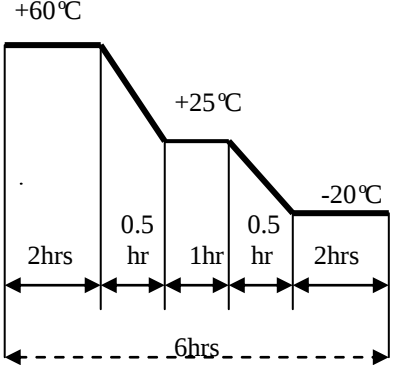
单位: mm

Tol: $\nabla 0.3$

F. MECHANICAL CHARACTERISTICS 機械特性

No.	Item	Test condition	Evaluation standard
1	Solderability 焊錫附著性 (Connector excepted) 端子類不適用此項	Stripped wires of lead wires are immersed in rosin for 5 seconds and then immersed in solder bath of $+270\pm5^{\circ}\text{C}$ for 3 ± 0.5 seconds. 裸線部份浸入松香溶液 5 秒後,再浸入 $+270\pm5^{\circ}\text{C}$ 熔融焊錫槽 3 ± 0.5 秒.	90% min. stripped wires shall be wet with solder. (Except the edge of terminal) 浸入裸線部份附著焊錫 90% 以上.(末端斷面不算)
2	Vibration Test 振動測試	Receiver 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 0.56V sine wave between 80 ~ 3KHz
3	Drop Test 落下測試	Drop the receiver contained in normal box onto the board 40mm thick 10 times from the height of 75cm 將受話器置於盒中, 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 0.56V 正弦波從 80 到 3KHz 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 $+60^{\circ}\text{C}$ for 96 hours 置於 $+60^{\circ}\text{C}$ 環境中 96 小時	Being placed for 6 hours at $+25^{\circ}\text{C}$, receiver shall be measured. No obstacle to be harmful to normal operation; damages, cracks, rusts, etc. Should not be audible at 0.56V sine wave between 80 ~ 3KHz. S.P.L. deviation of unit should be within $\pm 3\text{dB}$ 經測試後, 靜置於 $+25^{\circ}\text{C}$ (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 0.56V 正弦波從 80 到 3KHz 之間無異常音, 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 -25°C for 96 hours. 置於 -25°C 環境中 96 小時	
3	Humidity test 相對濕度測試	After being placed in a chamber at $+40^{\circ}\text{C}$ and $90\pm 5\%$ RH relative humidity for 96 hours. 置於 $+40^{\circ}\text{C}$, 相對濕度 $90\pm 5\%$ 環境中 96 小時	
4	Temp. cycle test 溫度循環測試	The part shall be subjected to 5 cycles. One cycle shall be consist of: 單體承受溫度循環測試 5 次, 其循環內容如圖示: 	

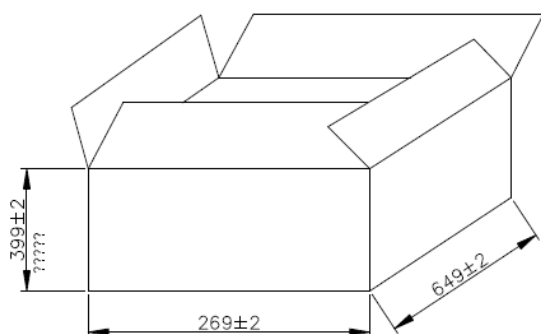
H. RELIABILITY TEST 信賴性試驗

No.	Item	Test conditions	Evaluation standard
1	Load test 連續負荷	0.01W white noise is applied for 24 hours, at room temp. 在室溫下,輸入功率 0.01W, 白雜音連續操作 24 小時.	Being placed for 1 hours at +25°C, receiver shall be measured. No obstacle to be harmful to normal operation; damages, cracks, rusts, etc. Should not be audible at 0.56V sine wave between 80 ~ 3KHz. S.P.L. deviation of unit should be within $\pm 3\text{dB}$ 經測試後,靜置於+25°C (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 0.56V 正弦波從 80 到 3KHz 之間無異常音,輸出音壓變化量在 $\pm 3\text{dB}$ 內.

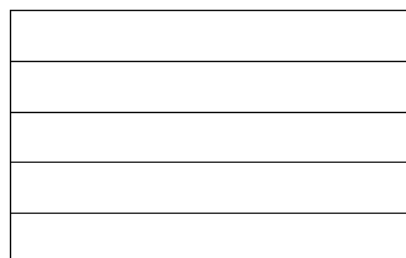
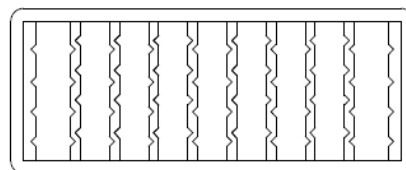
TEST CONDITION.

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

I. PACKING STANDARD 包裝規格



(紙箱尺寸為封箱後內尺寸)



技术要求:

1. 包装材质依标准执行, 外箱印刷详见印标说明;
2. 纸箱符合ROHS环境管理物质之要求;
3. 每层 40PCS, 每箱 5 层, 共 200PCS;
4. 保丽龙 639*269*86mm
5. 纸箱: 650*250*400mm