SPECIFICATION FOR APPROVAL

承　認　書

Description	:	**Piezoelectric Telephone Receiver**
Kingstate Part No.	:	**KPEG006**
Customer's Model No.	:	
Specification No.	:	**PKD-7246**
Number Of The Edition	:	**1.1**

CUSTOMER'S APPROVED SIGNATURE		

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Approved by	Checked by	Issued by
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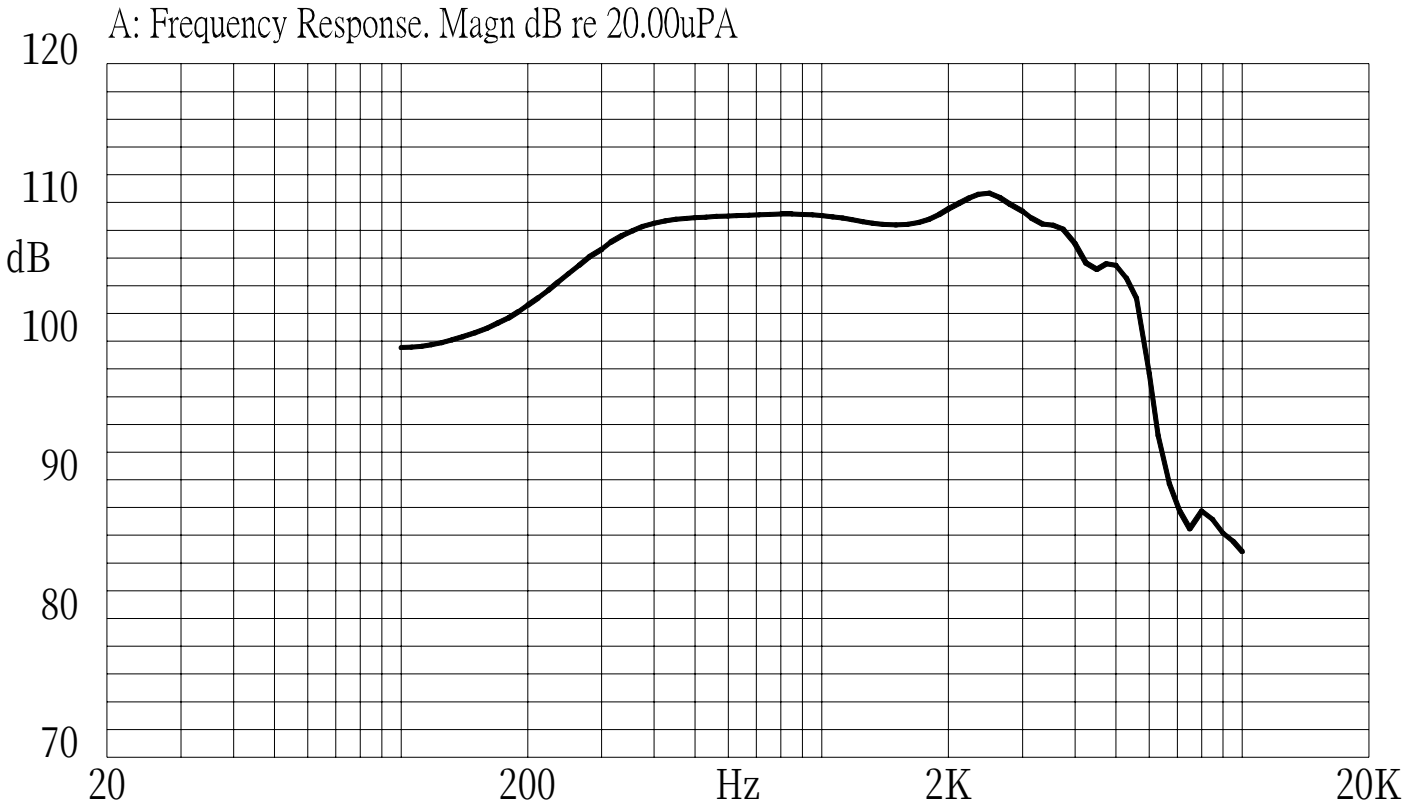
A. SCOPE 範疇

This specification applies receiver, **KPEG006**
此規格書適用於受話器, **KPEG006**

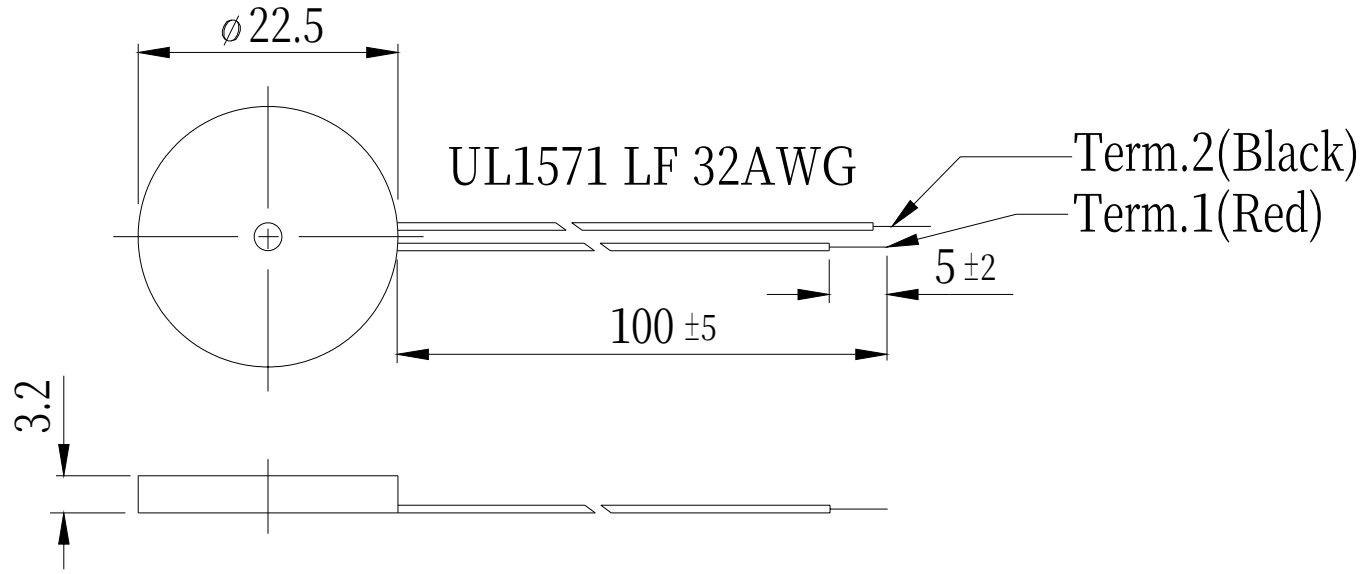
B. SPECIFICATION 規格

No.	Item	Symbol	Unit	Specification	Condition
1	Dimension 尺寸		mm	φ22.5 x 3.2	Refer to attached drawing in details
2	Impedance 阻抗	Ω	ohm	2000 ± 25%	At 1kHz
3	S.P.L. 音壓位準		dB	108 ± 3	At 1KHz 1.0V with IEC318 Coupler
4	Operating temp. 操作溫度		℃	-30 ~ +85	
5	Storage temp. 儲存溫度		℃	-40 ~ +95	
6	Electrostatic capacity 靜電容量		pF	90,000 ± 30%	At 120Hz/0.25V
7	Weight 重量		g	1.1	
8	Material 材質			ABS UL-94 1/16” HB High Heat（Black）	
9	Environmental Protection Regulation 環保法規			ROHS	

C. TYPICAL FREQUENCY RESPONSE CURVE 頻率響應曲線

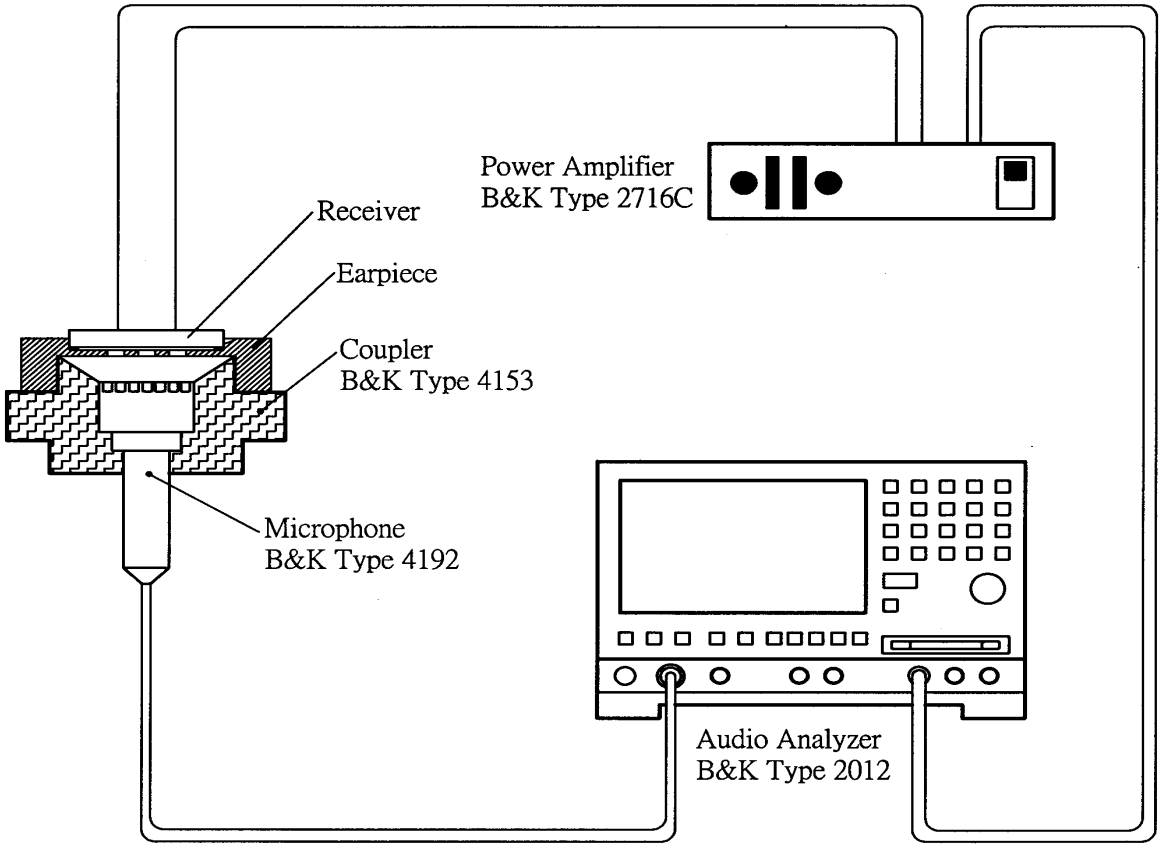


D. APPEARANCE DRAWING 外觀尺寸圖

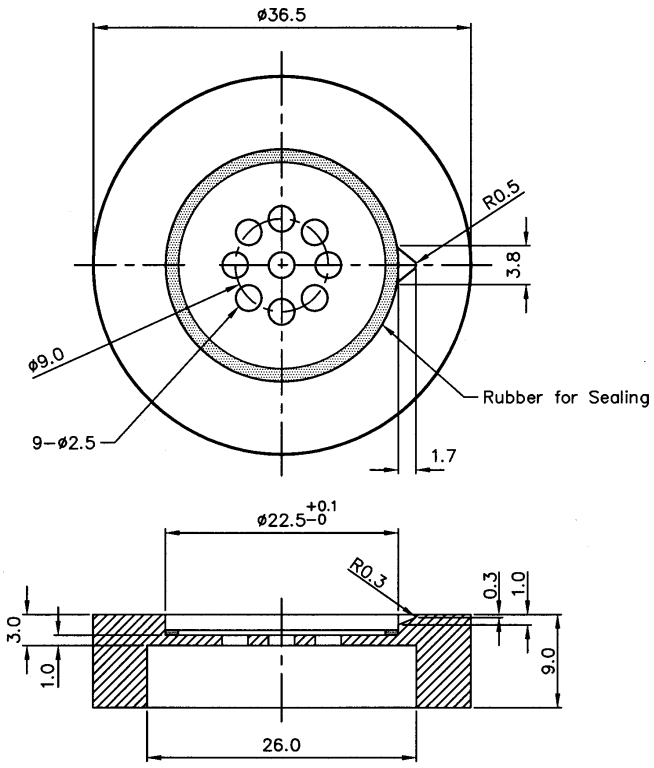


Tol: ± 0.3
Unit: mm

E. MEASUREMENT METHOD 測量路線



F. ARPIECE DRAWING



G. MECHANICAL CHARACTERISTICS 機械特性

No.	Item	Test conditions	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±5℃ for 3±0.5 seconds. 裸線部份浸入松香溶液 5 秒後,再浸入+270±5℃溶融焊錫槽 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	Lead Wire Pull Strength 線材拉力	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. 雙線材水平方向施以 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 線材不鬆動, 不脫落
3	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 1.0V sine wave between 250Hz~4KHz 測試後無任何障礙防礙正常操作.且在輸入 1.0V 正弦波從 250Hz 到 4KHz 之間無異常音
4	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.	

H. ENVIRONMENT TEST 環境測試

No.	Item	Test conditions	Evaluation standard
1	High temp. Test 高溫測試	After being placed in a storage at +95℃ for 240 hours. 置於+95℃環境 240 小時.	Being placed for 2 hours at +25℃, receiver shall be measured. No obstacle to be harmful to normal operation; damages, cracks, rusts, etc. Should not be audible at 1.0V, sine wave between 250 ~ 4KHz. S.P.L. deviation of unit should be within ±3.5dB 經測試後, 靜置於+25℃（室溫）環境中 2 小時後, 測試後無任何障礙防礙正常操作.且在輸入 1.0V 正弦波從 250 到 4KHz 之間無異常音輸出音壓變化量在±3.5dB 內
2	Low temp. Test 低溫測試	After being placed in a storage at -40℃ for 240 hours. 置於-40℃環境中 240 小時.	
3	Humidity test 相對濕度測試	After being placed in a storage at +40℃and 95±5%RH relative humidity for 240 hours. 置於+40℃,相對濕度 95±5%環境中 240 小時	

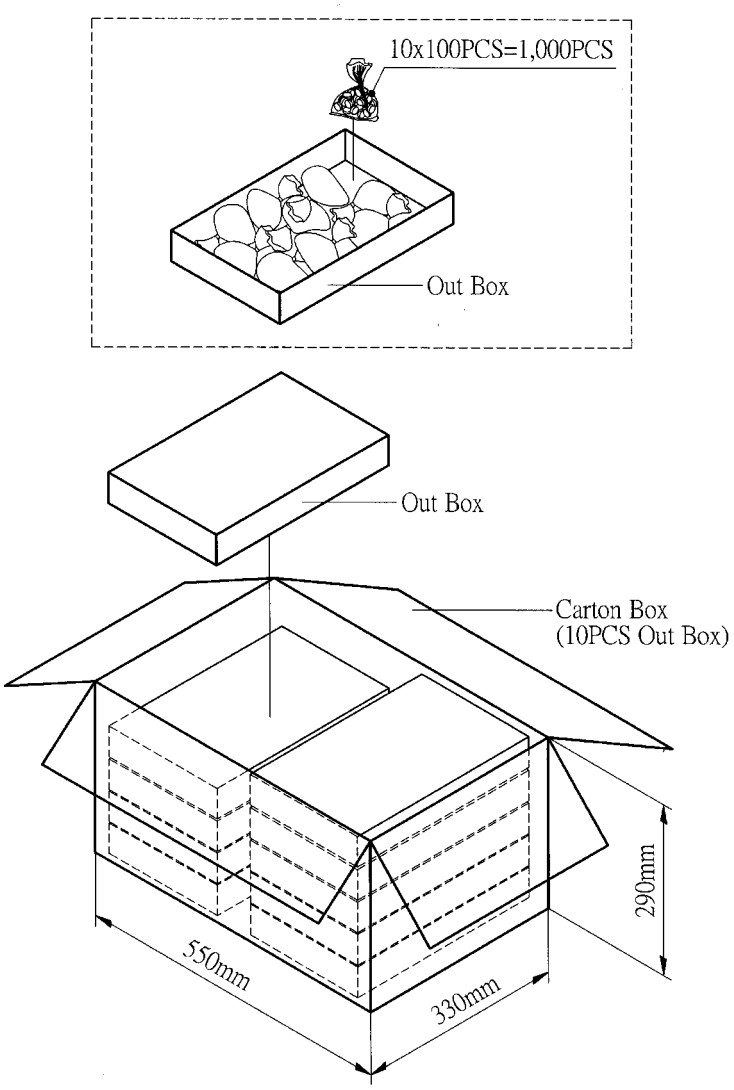
I. RELIABILITY TEST 信賴性測試

No.	Item	Test conditions	Evaluation standard
1	Load test 連續負荷	1.0Vrms, white noise is applied for 5 hours at room temp. 在室溫下,輸入功率 1.0Vrms,白雜音連續操作 5 小時.	No obstacle to be harmful to normal operation; damages, cracks, rusts, etc. Should not be audible at 1.0V sine wave between 250~4KHZ. S.P.L. deviation of unit should be within ±3.5dB 測試後無任何障礙防礙正常操作.且在輸入 1.0V 正弦波從 250 到 4KHz 之間無異常音輸出音壓變化量在±3.5dB 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 ± 2℃	b) Humidity : 60-70%	c) Pressure : 860-1060mbar
爭意時測試條件	:	a) 溫度 : +25 ± 2℃	b) 濕度 : 60-70%	c) 氣壓 : 860-1060mbar

J. PACKING STANDARD 包裝規格



Out Box	310mmx248mmx49mm	1x1000PCS=1,000PCS
Carton Box	550mmx330mmx290mm	1000PCSx10=10,000PCS

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Global Electronic Components Distributor

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Kingstate Electronics:

KMTG1612 KPEG1600NC KPEG251 KEEG1542PBL-A KPEG623AN KSSG74B16 KTG1212 KMTG1303-1 KPEG165 KPEG207 KPEG276 KPEG650SAN KSSG1708 KDMG26008 KPEG167 KPEG182 KPEG206 KPEG222 KPEG253 KPEG810SAN KXG0905C KXG1203C KDMG20008 KECG1544WB-G01 KMTG1603 KPEG651SA KMTG1003-F KPEG750 KPEG250 KPEG960