

SPECIFICATION FOR APPROVAL

Description : **Piezoelectric Telephone Receiver**

Customer's Model No. :

Specification No. :

PKD-7246

Number Of The Edition :

1.4

Approved by	Checked by	Issued by
		陽志明 2019.10.30

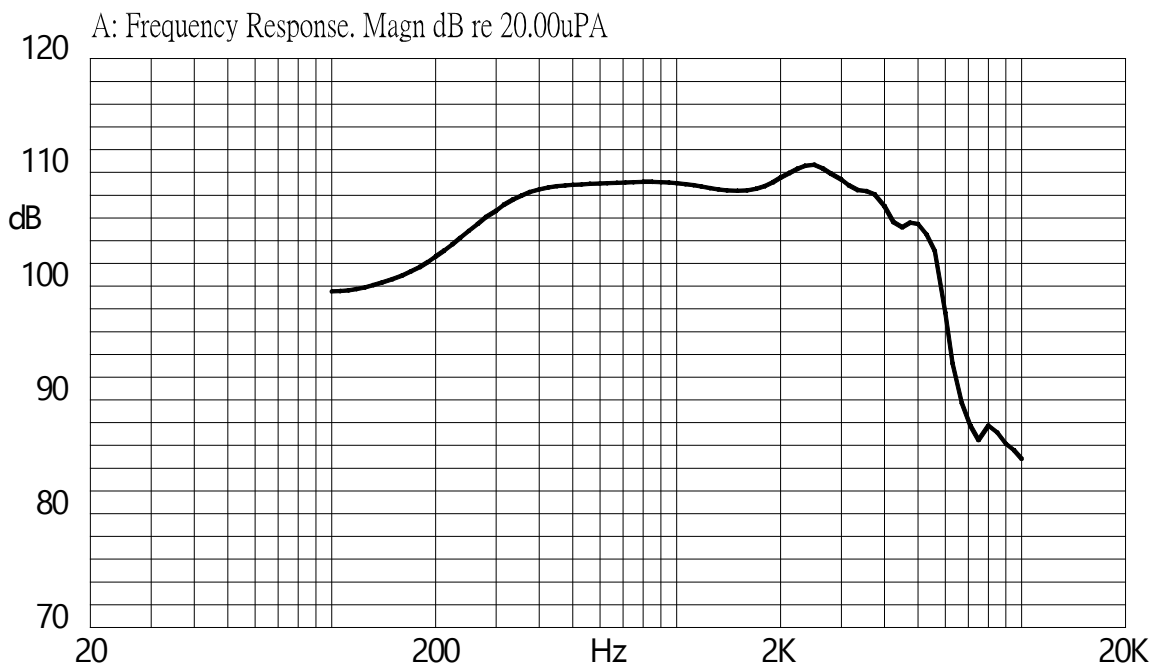
A. SCOPE

This specification applies receiver, **KPEG006**

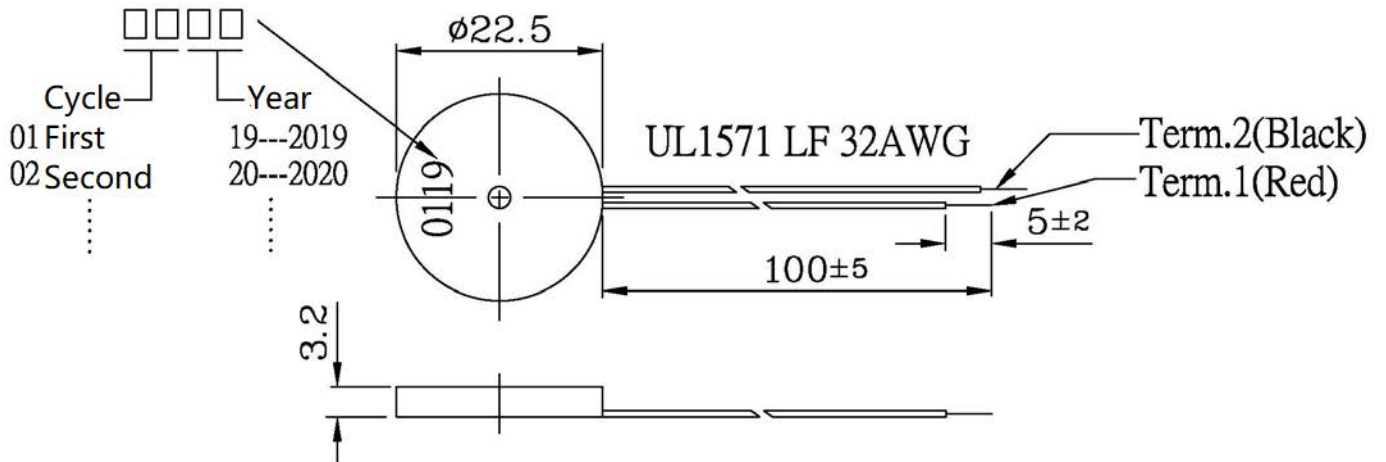
B. SPECIFICATION

No.	Item	Symbol	Unit	Specification	Condition
1	Dimension		mm	φ 22.5 x 3.2	Refer to attached drawing in details
2	Impedance	Ω	ohm	2000 \pm 25%	At 1kHz
3	S.P.L.		dB	108 \pm 3	At 1KHz 1.0V with IEC318 Coupler
4	Operating temp.		$^{\circ}$ C	-30 ~ +85	
5	Storage temp.		$^{\circ}$ C	-40 ~ +85	
6	Electrostatic capacity		pF	90,000 \pm 30%	At 120Hz/0.25V
7	Weight		g	1.1	
8	Material			ABS UL-94 1/16" HB High Heat (Black)	
9	Environmental Protection Regulation			ROHS 2.0	

C. TYPICAL FREQUENCY RESPONSE CURVE

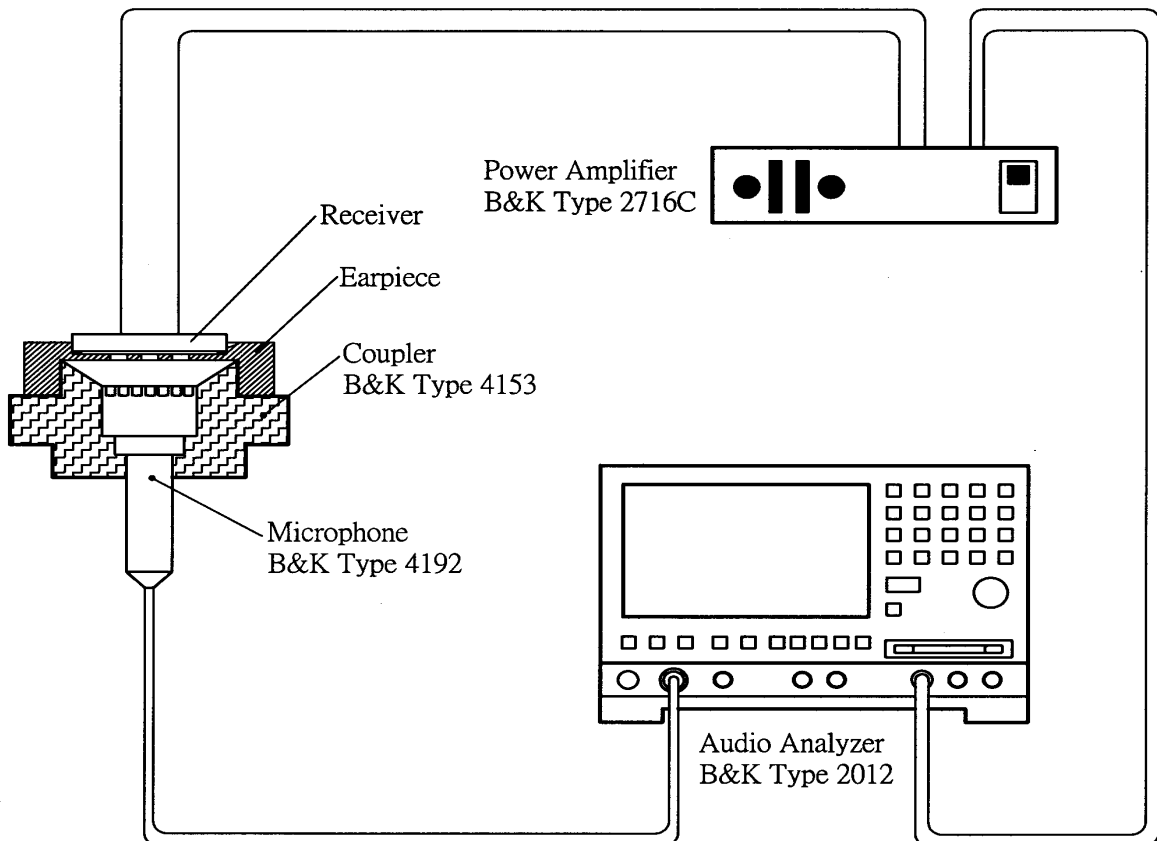


D. APPEARANCE DRAWING

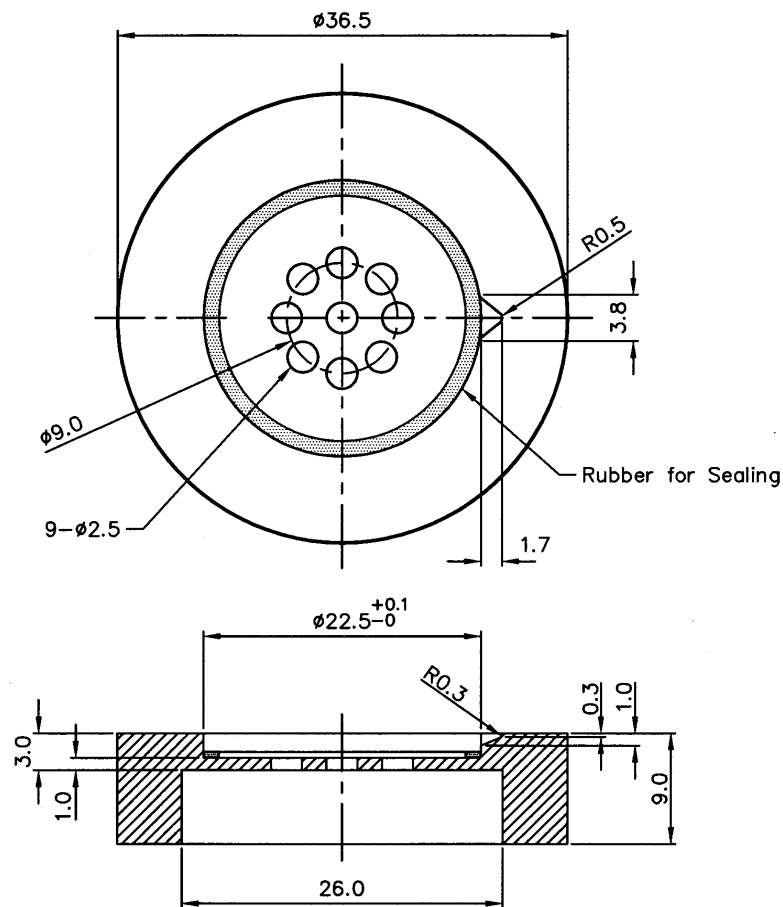


Tol: ± 0.3
Unit: mm

E. MEASUREMENT METHOD



F. ARPIECE DRAWING



G. MECHANICAL CHARACTERISTICS

No.	Item	Test conditions	Evaluation standard
1	Solderability (Connector excepted)	Stripped wires of lead wires are immersed in rosin for 5 seconds and then immersed in solder bath of $+270\pm 5^{\circ}\text{C}$ for 3 ± 0.5 seconds.	90% min. stripped wires shall be wet with solder. (Except the edge of terminal)
2	Lead Wire Pull Strength	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.	No damage and cutting off
3	Vibration test	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.	No obstacle to be harmful to normal operation; damages, cracks, rusts and distortions.
4	Drop test	Drop the receiver contained in normal box onto the board 40mm thick 10 times from the height of 75cm	Should not be audible at 1.0V sine wave between 250Hz~4KHz

H. ENVIRONMENT TEST

No.	Item	Test conditions	Evaluation standard
1	High temp. Test	After being placed in a storage at +85°C for 240 hours.	Being placed for 2 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 1.0V, sine wave between 250 ~ 4KHz. S.P.L. deviation of unit should be within ±3.5dB
2	Low temp. Test	After being placed in a storage at -40°C for 240 hours.	
3	Humidity test	After being placed in a storage at +40°C and 95±5%RH relative humidity for 240 hours.	

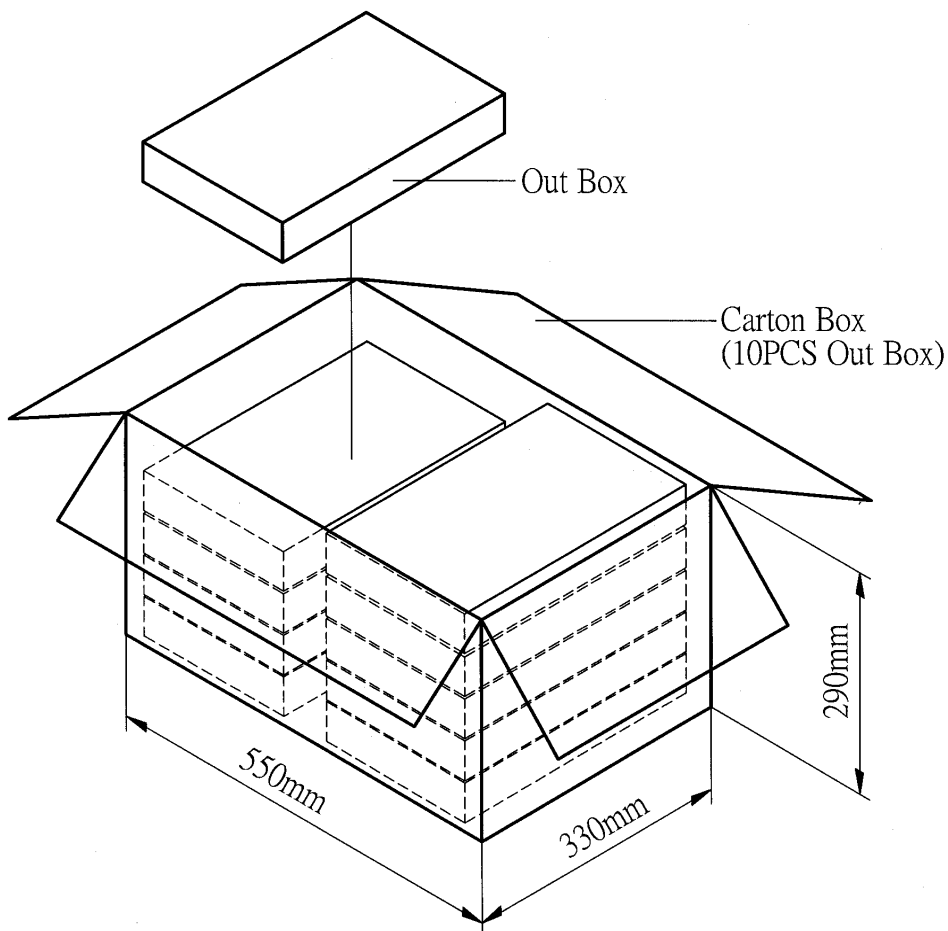
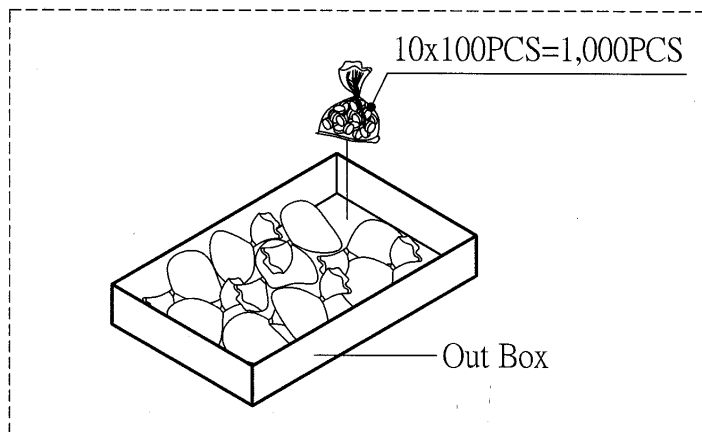
I. RELIABILITY TEST

No.	Item	Test conditions	Evaluation standard
1	Load test	1.0Vrms, white noise is applied for 5 hours at room temp.	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

TEST CONDITION.

Standard Test Condition : a) Temperature : +5 ~ +35°C b) Humidity : 45-85% c) Pressure : 860-1060mbar
 Judgement Test Condition : a) Temperature : +25 ± 2°C b) Humidity : 60-70% c) Pressure : 860-1060mbar

J. PACKING STANDARD



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