SPECIFICATION

Customer	:	四海永通
Applied To	:	
Product Name	:	Receiver
Model Name	:	KP1506r1-6300/D16+
Drawing No.	:	KFC2250

Signature of Appronal

Signature of KEPO

Approved by	Checkde by	Issued by	Date

ISO9001 Certificate

Ningbo Kepo Electronics Co.,Ltd.

Address: No.25 Baoyuan Road Dongqian Lake Industrial Area
Dongqian Lake, Ningbo315121, China
Tel: +86(574)88371186, 88370330 Fax: +86(574)88370329
http://www.chinaacoustic.com E-mail: Sales@kepo.com.cn

CONTENTS

1. Scope

This specification is applied to the dynamic speaker which is used all of the electrical acoustic product.
-- compact, rich sound
-- applications: mobile phone, PDA, notebook computer, etc. ..

2. General

2.1 Out-Diameter : 15x6 mm
2.2 Height : 2.7 mm
2.3 Weight : 0.5 g
2.4 Operating Temperature range:
-20~+70℃ without loss of function
2.5 Store Temperature range:
-40~+85℃ without loss of function

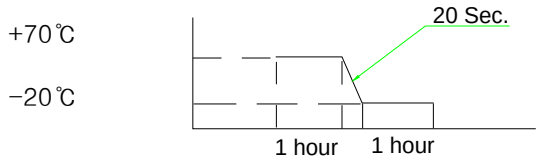
3. Electrical and Acoustic Characteristics.

Test condition : 15 ~ 35 ℃, 25% ~ 85% RH, 860~1060 mbar

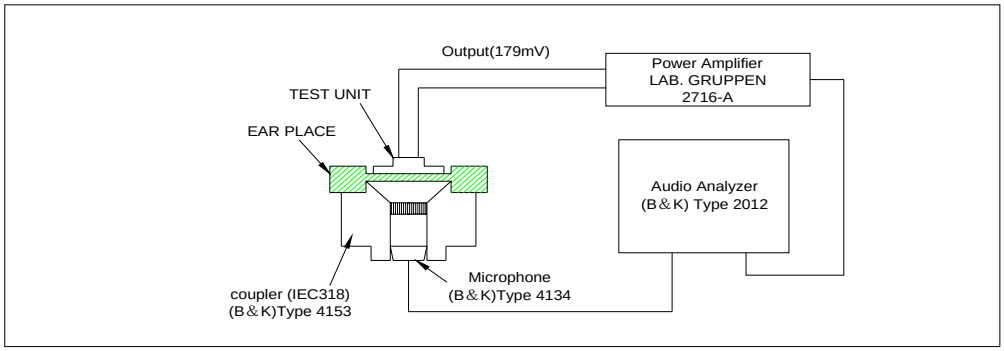
No	Items	Specification
1	Impedance	32 Ω ± 15% (1Vrms at 1KHz)
2	Sound Pressure Level	110 dB ± 3dB (179mV at 1kHz)
3	Resonance Frequency	
4	Frequency Range	300 ~ 3400 Hz
5	Input Power	Rated 0.01 W / Max. 0.03 W
6	Distortion	<10% Max. at 2kHz/2Vrms
7	Buss and Rattle	Should not be audible buzzes,rattles when the 0.57V sine wave signal swept at frequency range.
8	Polarity	When supplied plus D.C. voltage to (+) terminal, the cone diaphragm must move to forward.

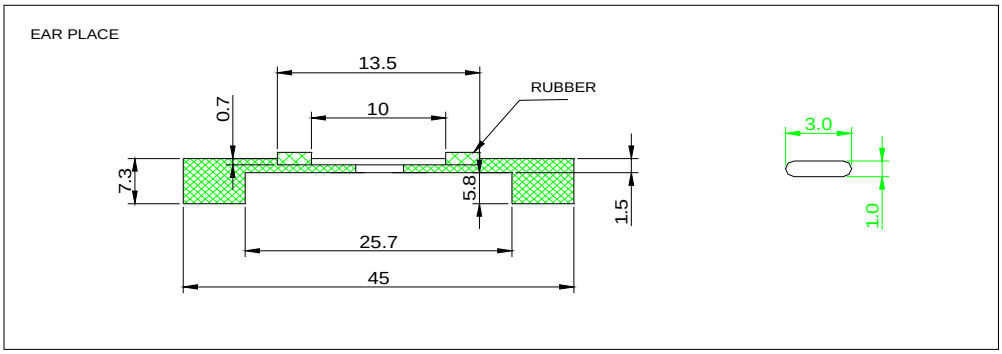
4. Reliability Test

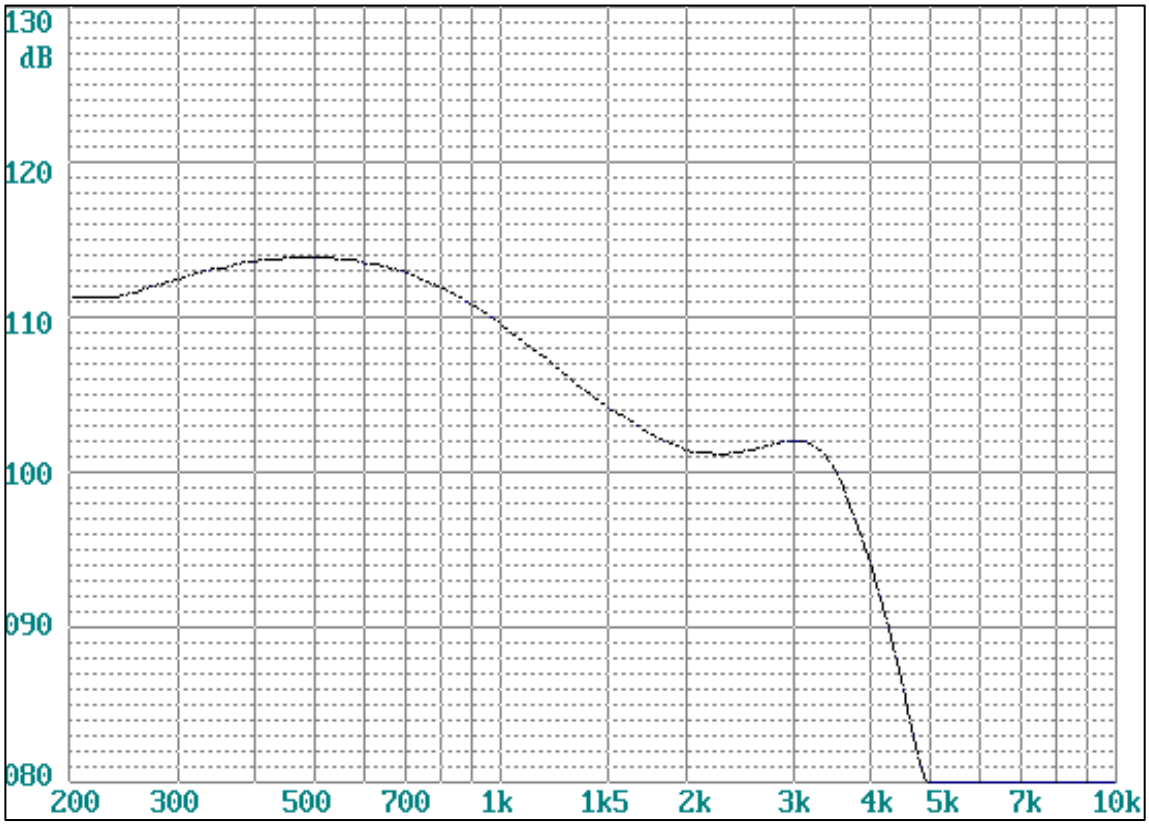
After test(1~7item), the speaker S.P.L . difference shall be within ±3dB, and the appearance not exist any change to be harmful to normal operation (e.g. cracks,rusts,damages and especially distortion).

No	Items	Specification
1	High Temperature Test	After being placed in a chamber with +85±3 ℃ for 96 hours and then be placed in natural condition for 1 hour, speaker shall be measured.
2	Low Temperature Test	After being placed in a chamber with −40±3 ℃ for 96 hours and then be placed in natural condition for 1 hour, speaker shall be measured.
3	Humidity Test	After being placed in a chamber with 85 to 90%R.H. at +40±2 ℃ for 96 hours and then being placed in natural condition for 1 hour, speaker shall be measured.
4	Thermal Shock Test	After being placed in a chamber at +70℃ for 1 hour, then speaker shall be placed in a chamber at −20℃ for 1 hour(1 cycle is the below diagram). After 6 above cycles, speaker shall be measured after being placed in natural condition for 1 hour. 
5	Vibration Test	After being applied vibration of amplitude of 1.5mm with 10 to55Hz band of vibration frequency to each of 3 perpendicular directions for 1 hour, then placed in natural condition for 1 hour, speaker shall be measured.
6	Drop Test	The receiver when mounted in the jig which weight 85g~100g, shall with stand 10 times random drops from a height of 1.5 meter to a concrete floor faced with 5mm thick hard wood board.and be nothing mechanical damage.
7	Load test	After being applied loading white noise with input power 0.01W(0.57Vrms.) for 96 hours, then placed in natural condition for 1 hour, speaker shall be measured.
8	Insulation test	When they are measured with DC 100V the insulation resistance between v.c. terminal and frame must be more than 1 MΩ

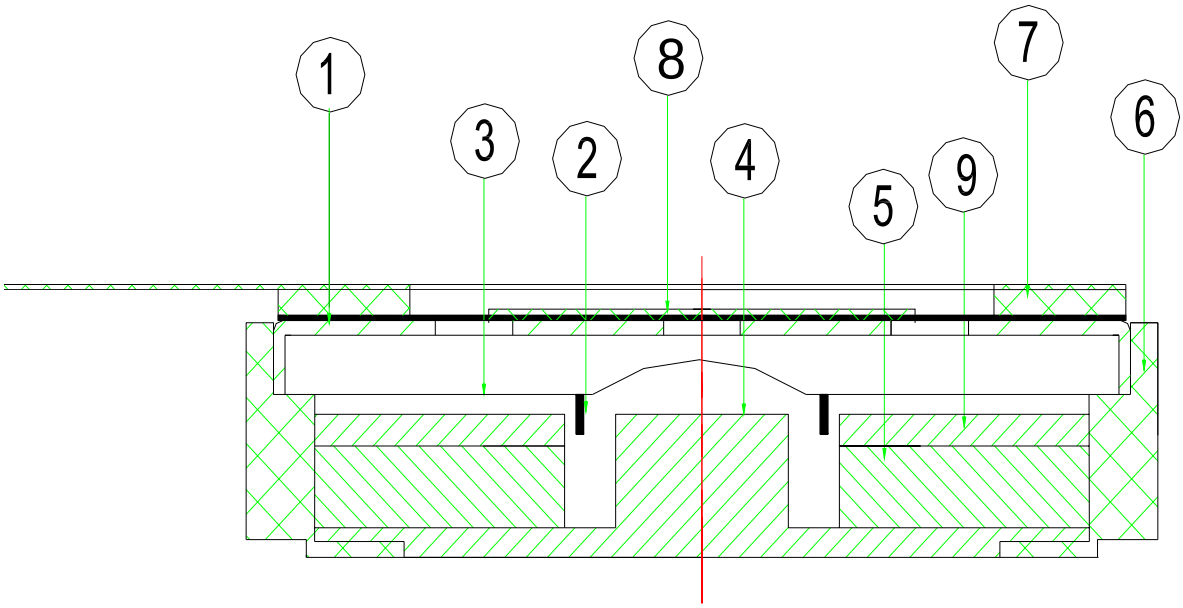
5. Measurement Block Diagram & Response curve





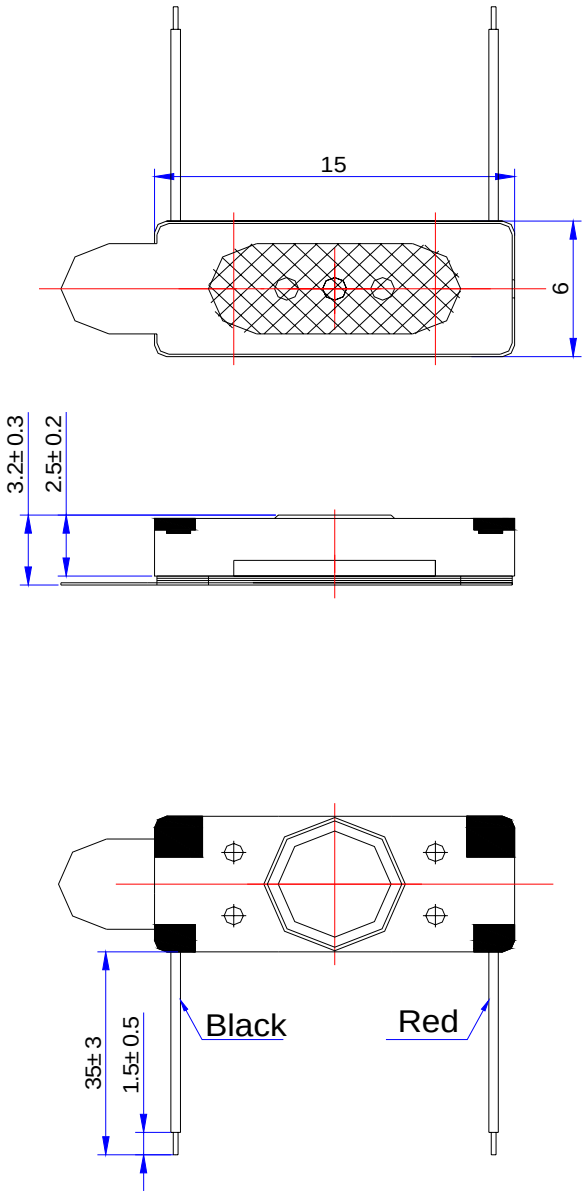


6. Structure



No.	Part Name	Q'ty	Material	Remarks
12				
11				
10				
9	Plate	1	SPC	
8	Screen	1	net	
7	Gasket	1	unwoven fabirc	
6	Frame	1	PBT	
5	Magnet	1	Nd-Fe-B	
4	Yoke	1	SPC	
3	Diaphragm	1	PEI	
2	Voice Coil	1	Copper	
1	Cap	1	SUS304	

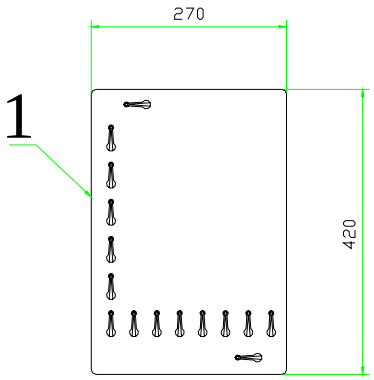
7. Dimensions



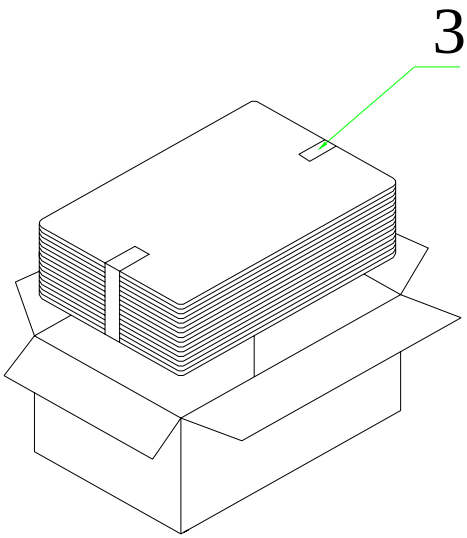
FIRST ANGLE PROJECTION

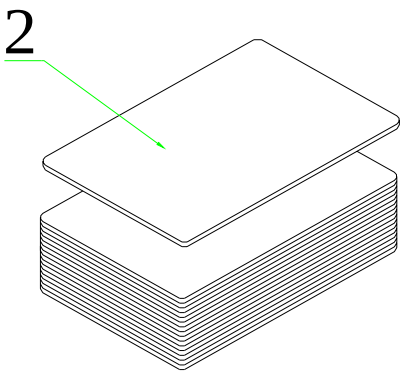
UNIT : mm
Tolerance : ±0.2

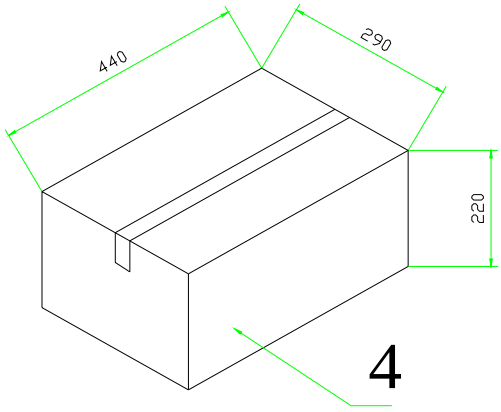
8. Packing



100Pcs







QTY: 2000Pcs

440 x290 x220

9. Revision

Rev. No.	DATE	PAGE	DESCRIPTION	BOM