Model No. : CONTEI	KP2209SP1-5581	Revision No. Drawing No.	1.0 KFC5581
		Drawing No.	KFC5581
CONTE	NTS		
4. Reliabilit	ment Block Diagram & Respo ons		

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	Specification for Speaker	Page	3/9
	· · · · · · · · · · · · · · · · · · ·	Revision No.	1.0
Model No. :	KP2209SP1-5581	Drawing No.	KFC5581

1. Scope

This specification is applied to the two mode dynamic speaker which is used all of the electrical acoustic product.

-- compact, rich sound

-- applications: mobile phone, PDA, notebook computer, etc. ..

2. General

2.2 Height : 3.7 mm

2.3 Weight : 1.3gr.

2.4 Operating Temperature range:

-20~+70 ℃ without loss of function

2.5 Store Temperature range:

-40~+85 $^\circ\!\mathrm{C}$ without loss of function

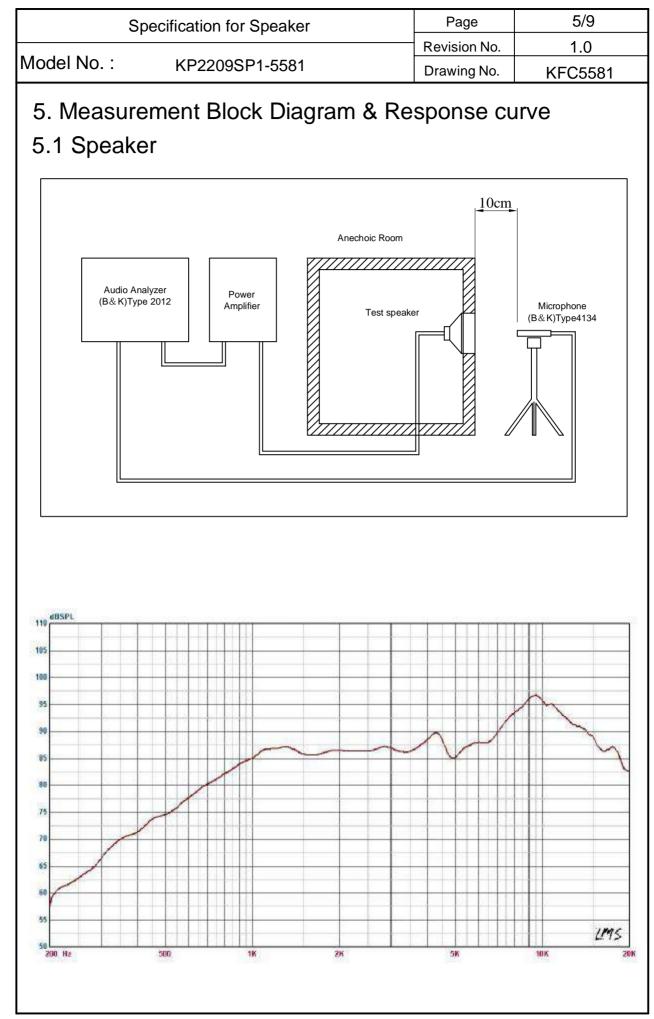
3. Electrical and Acoustic Characteristics.

Test condition : 15 ~ 35 $\,^\circ \! {\rm C}$, $\,$ 25% ~ 85% RH, 860~1060 mbar

3.1 Speaker

\square	Items	Specification
1	Impedance	8 Ω ± 15%(at 1Vrms,1.5kHz)
2	Sound Pressure Level	87dB ± 3dB(1kHz/0.1W/0.1M)
3	Resonance Frequency	900Hz ± 20%
4	Frequency Range	F ₀ ~ 20.0kHz
5	Input Power	Rated 0.5W / Max. 1.0W
6	Distortion	<10% Max. at 2kHz/2Vrms
7	Buzz and Rattle	Should not be audible buzzes, rattles when the 2.0V sine wave signal swept at frequency range.
8	Polarity	When supplied plus D.C. voltage to (+) terminal, the cone diaphragm must move to formard.

	-	on for Speaker	Page Revision No.	4/9
Nodel	No. :	KP2209SP1-5581	Drawing No.	KFC5581
а	ppearance not exist a	est n), the speaker S.P.L . difference s iny change to be harmful to norma and especially distortion).		3dB, and the
	Item	S	pecificatio	n
1	High Temperature Test	After being placed in a chan and then being placed in natur shall be measured.		
2	Low Temperature Test	After being placed in a cha and then being placed in natur shall be measured.		
3	Humidity Test	After being placed in a chan °C for 96 hours and then being hour, speaker shall be measur	placed in natura	
4	Thermal Shock Test	After being placed in a chan speaker shall be placed in a chan is the below diagram). After 6 above cycles, speal placed in natural condition for 1 +70 °C	amber at -30 °C f ker shall be meas hour. 20 Sec.	or 1 hour(1 cycle
5	Vibration Test	After being applied vibration to55Hz band of vibration freque directions for 1 hour, then place speaker shall be measured.	ency to each of 3	perpendicular
6	Drop Test	The speaker when mounted 85g~100g, shall with stand 15 t of 1.5 meter to a concrete floor board.and be nothing mechanic	imes random dro faced with 5mm	ops from a height
7	Load test	The speaker after being a input power 0.5W(2.0Vrms.) fo condition for 1 hour, speaker s	or 96 hours, then	placed in natural
8	Insulation test	When they are measured wit resistance between v.c. termina $M \Omega$		



Ningbo Kepo Electronics Co.,Ltd.

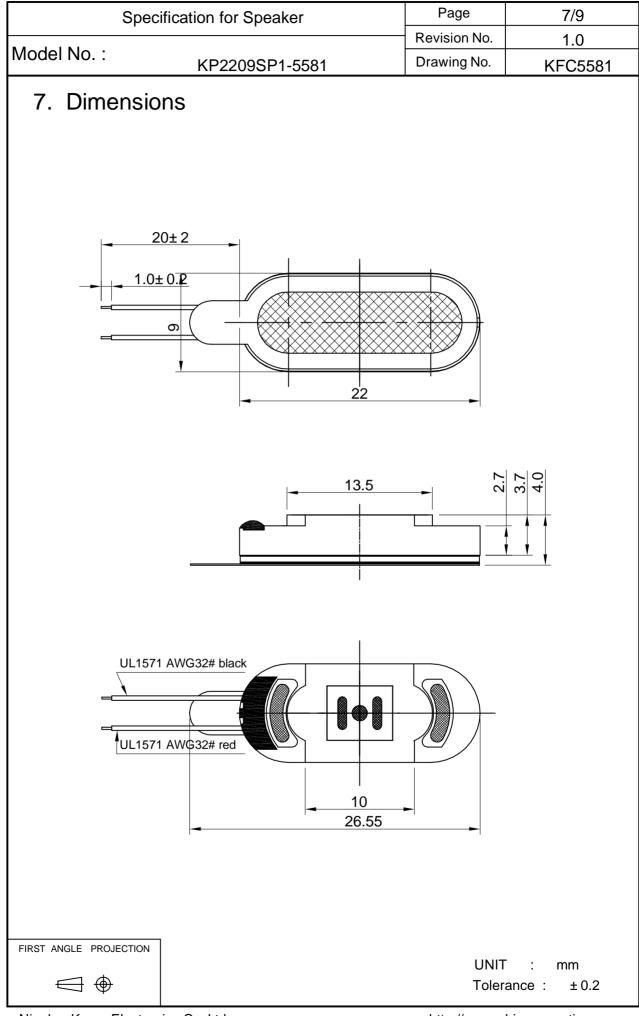
http://www.chinaacoustic.com

Specification for Speaker Page 6/9 Model No. : KP2209SP1-5581 Drawing No. 1.0 Drawing No. KFC55 6. Structure
6. Structure
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9 Screen 1 NET
6 6 6 6 6 6 7 <th7< th=""> <th7< th=""> <th7< th=""> <th7< th=""></th7<></th7<></th7<></th7<>
7 Terminal 1 Epoxy PCB
6 Frame 1 PBT
S Magnet 1 Nd-Fe-B
4 Plate 1 SPC
3 Diaphragm 1 PEN
2 Coil 1 Copper
2 Con 1 Coppet 1 Cap 1 SUS304
No. Part Name Q'TY Material Remarks

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