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		Revision No.	1.0
Model No.	KP50170SP1-6494	Drawing No.	KFC6494
CONTE	NTS		

- 1. Scope
- 2. General
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- 4. Reliability Test
- 5. Measurement Block Diagram & Response curve
- 6. Structure
- 7. Dimensions
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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 : 50 mm
- 2.2 Height : 24.5 mm
- 2.3 Weight : 55 g
- 2.4 Operating Temperature range:

-20 ~+60 $\,^\circ\!\!C$ without loss of function

2.5 Store Temperature range:

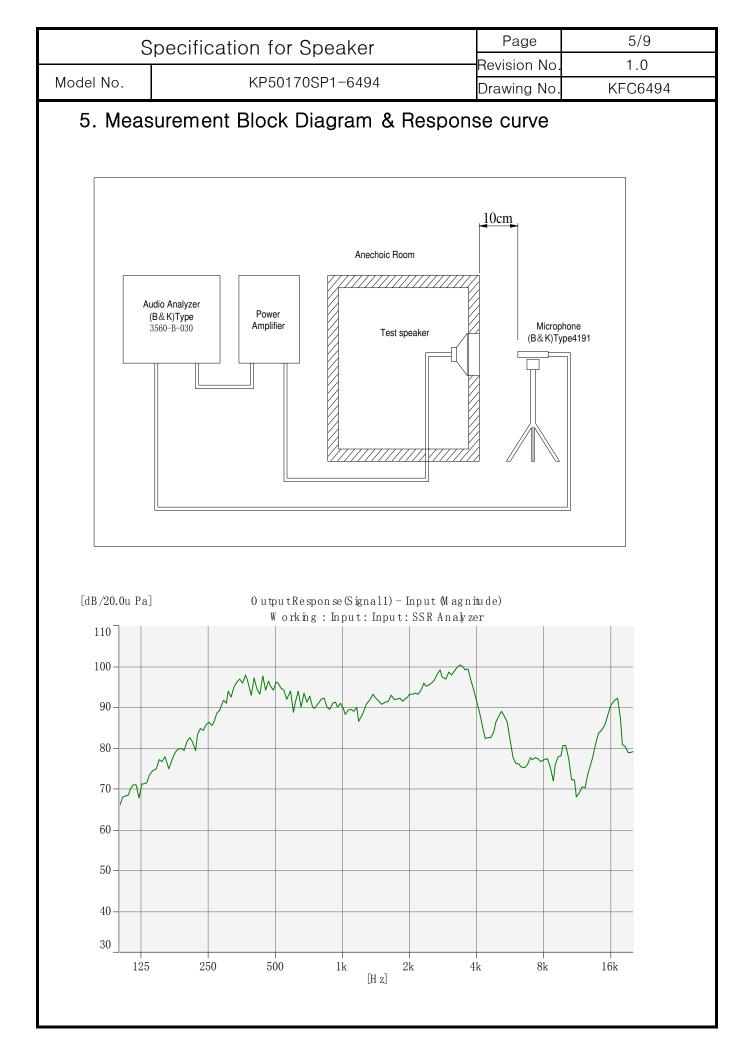
-20 ~+60 $\,\,{}^\circ\!\mathrm{C}$ without loss of function

3. Electrical and Acoustic Characteristics.

No	ltems	Specification		
1	Impedance	8 Ω ± 15% (1Vrms at 1.0KHz 1.0V)		
2	Sound Pressure Level	91 dB ± 2dB (at 0.1w/ 0.1m Average at 0.8,1.0,1.2,1.5KHz)		
2	Sound Pressure Lever	81 dB \pm 2dB (at 1W/ 1M Average at 0.8,1.0,1.2,1.5KHz)		
3	Resonance Frequency	450 Hz ± 20%		
4	Frequency Range	Fo ~4KHz		
5	Input Power	Rated 0.3 W / Max. 0.5 W		
6	Distortion	<10% Max. at 2kHz/2Vrms		
7	Buzz and Rattle	Should not be audible buzzes,rattles when the 1.55V sine wave signal swept at frequency range.		
8	Polarity	When supplied plus D.C. voltage to (+) terminal, the cone diaphragm must move to forward.		

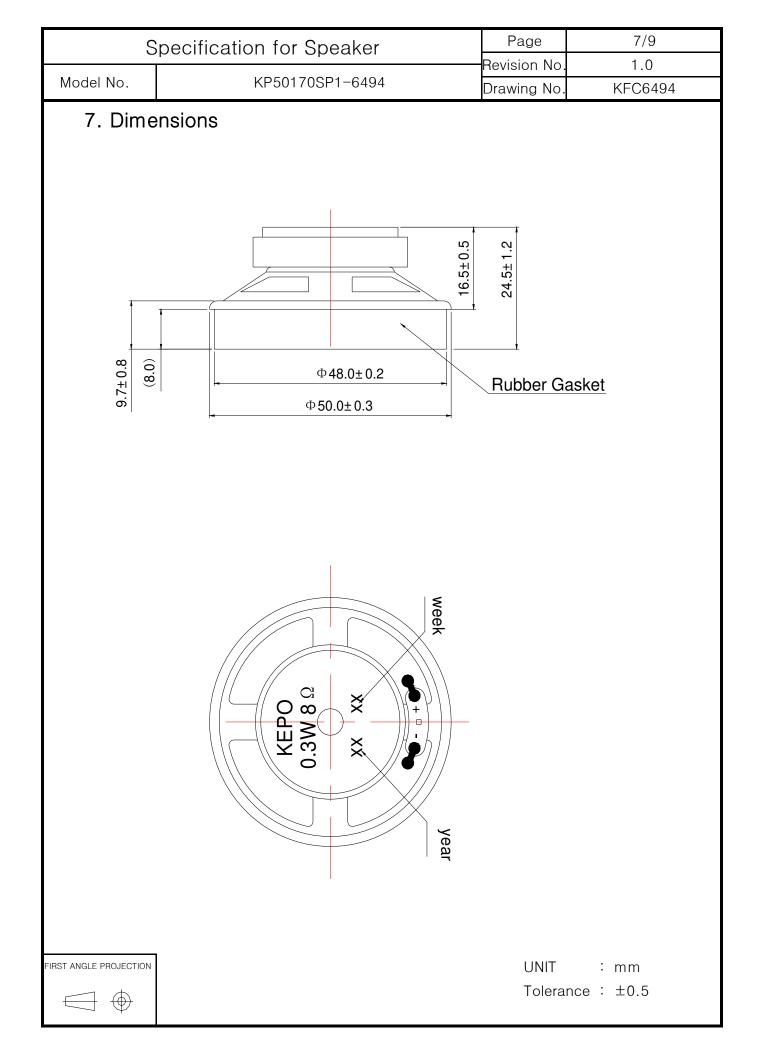
Test condition : 15 ~ 35 °C, 25% ~ 85% RH, 860~1060 mbar

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	appearance not e	Test m), the speaker S.P.L . difference shall be exist any change to be harmful to normal op s,damages and especially distortion).		nd the	
No	ltems	Specification	l		
1	High Temperature Test		After being placed in a chamber with +60 ± 3 °C for 96 hours and then being placed in natural condition for 1 hour, speaker shall be measured.		
2	Low Temperature Test	After being placed in a chamber with -20 ± 3 °C for 96 hours and then being placed in natural condition for 1 hour, speaker shall be measured.			
3	Humidity Test	After being placed in a chamber with85±5%R.H. at +40±5 °C 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 +60 °C be placed in a chamber at -20°C for 1 hour(After 4 above cycles, speaker shall be meas natural condition for 10 Sec +60 °C -20°C 1 hour 1	1 cycle is the be	low diagram).	
5	Vibration Test	After being applied vibration of amplitu band of vibration frequency to each of 3 per hour, then placed in natural condition for 1 h measured.	pendicular direct	ions for 1	
6	Drop Test	A speaker is dropped from 1m in length or inclination and a magnetic circuit of speake to the restraint metal. After the test, magnetic circuit should not and speakr should be met the item 11,12.	r is hitte	eaker	
7	Load test	After being applied loading white noise with for 96 hours, then placed in natural conditior measured.			
8	Insulation test	When they are measured with DC 100V the i v.c. terminal and frame must be more than 7		nce between	



Ningbo Kepo Electronics Co., Ltd.

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6. Struc					
	T yoke	1	SPCC		
	Magnet	1	Y30		
	Frame	1	SPCC		
	Spider	1	Cotton Yarn		
	oice Coil	1	Kraft Paper		
	ust Cap	1	Paper	_	
2	Cone	1	Paper		
	Gasket	1	Rubber		
No. Pa	art Name	Q'ty	Material	F	Remarks



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8. Packing





每条5PCS



每条5PCS



每箱24条

每箱120PCS

外箱尺寸:355X275X140 QTY:120PCS

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	9. Revision						
Rev. No.	DATE	PAGE	DESCRIPTION		BOM		
1.0	2012-9-5		Primary		1		