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Model No. : KP2848SP5C260-6765	Drawing No.	KFC6765

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顧客品質目標:50PPM

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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
 : 28 mm

 2.2 Height
 : 4.6 mm

 2.3 Weight
 : 5.5 g

2.4 Operating Temperature range:

-20~+85 ℃ without loss of function

2.5 Store Temperature range:

-25~+85 ℃ without loss of function

3. Electrical and Acoustic Characteristics.

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

No	Items	Specification		
1	Impedance(全检)	8 Ω ± 15% (1Vrms at 2.0KHz)		
2	Sound Pressure Level(全检)	80 dB ± 3dB (1W/1M at average 1.0, 1.2, 1.5, 2.0kHz)		
	Souria Pressure Levei(主極)	90 dB ± 3dB (0.1W/0.1M at average 1.0, 1.2, 1.5, 2.0kHz)		
3	Resonance Frequency(全检)	550 Hz ± 20%		
4	Frequency Range(全检)	Fo ~6KHz		
5	Input Power(全检)	Rated 0.5 W / Max. 1 W		
6	Distortion(全检)	<10% Max. at 2kHz/1Vrms		
7	Buzz and Rattle(全检)	Should not be audible buzzes,rattles when the 2V sine wave signal swept at frequency range.		
8	Polarity (全检)	When supplied plus D.C. voltage to (+) terminal, the cone diaphragm must move to forward.		

4.Installation/Treatment

1,Surroundings: The speakers are magnetic unit, so they may draw metal pieces or screws within it. Especially, solder wastes or lead wires may cause some noise when it attaching with the cone paper. To avoid this, please keep the surroundings of the speaker units clean. For micro speaker, please do not pile up each speakerunit or touch the front cone paper by some metal piece. These may cause damages of the voice coils and the lead wires, deformation, disconnection of wires, buzz sound and low sound.

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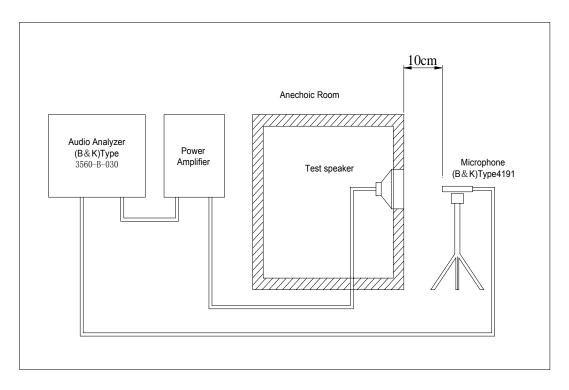
5. Reliability Test

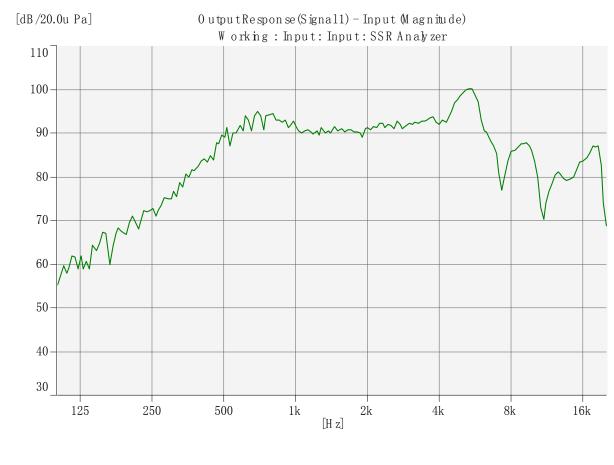
After test(1~7item), the speaker S.P.L . difference shall be within ±3dB, and the appearance not exist any change to be harmful to normal operation (e.g. cracks,rusts,damages and especially distortion).

No	Items	Specification
1	High Temperature Test	After being placed in a chamber with +85±3 ℃ for 96 hours and then being placed in natural condition for 1 hour, speaker shall be measured.
2	Low Temperature Test	After being placed in a chamber with -25±3 ℃ 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 with 85 to 90%R.H. at +60±2 °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 85°C for 2 hour, then speaker shall be placed in a chamber at 25°C for 2 hour, then speaker shall be placed in a chamber at -20°C for 2 hour(1 cycle is the below diagram). After 5 above cycles, speaker shall be measured after being placed in natural condition for 20-40 Sec.
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 2 hour, then placed in natural condition for 1 hour, speaker shall be measured.
6	Drop Test	The speaker when mounted in the jig which weight 85g~100g, shall with stand 15 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 JIS program noise with input power 0.5W(2Vrms.) 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 $M\Omega$
9	Crimping Strength	The endurance between the housing and the crimp terminal should be such that they do not fall apart by the weight of 20.0N(2.0kgf) for 30 second.

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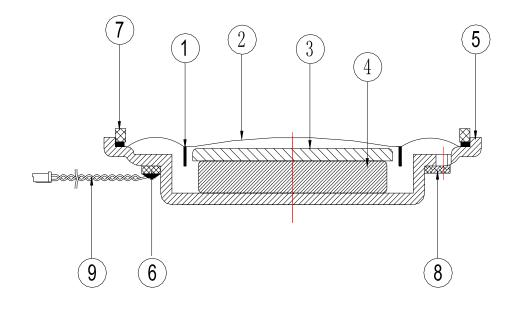
6. Measurement Block Diagram & Response curve





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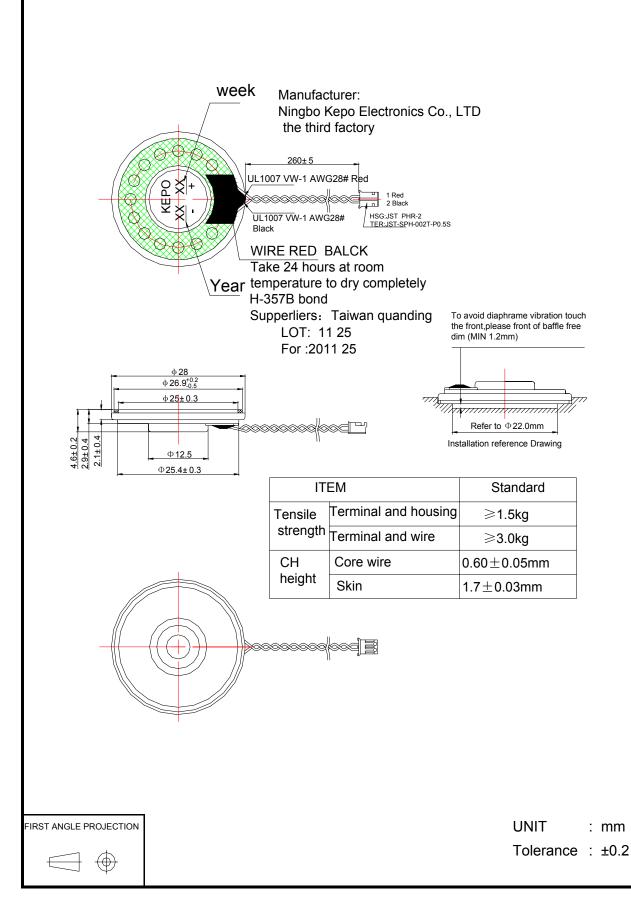
7. Structure



13	SpeedBonder		326	Loctite	
12	Bond	-	H-357B	Taiwan quanding	
11	Bond	-	1521	Three bond	
10	Solder		Sn96.5//Ag3//Cu0.5	Ningboxihanhanliao	
9	Connector ass'y	1	(+) UL1007LF AWG28# Red (-) UL1007LF AWG28# Black HOUSING:JST PHR-2 CONTACT:JST SPH-002T-P0.5S	Ridong dianxian	
8	Screen	1	unwoven fabric	Jiaxing xutai dianzi	
7	Gasket	1	Paper	Haojie diansheng	
6	Terminal	1	PCB	Suzhou yitong dianzi	
5	Frame	1	SPCC	Haiyan yongxing	
4	Magnet	1	Nd-Fe-B	Suzhou wanci	
3	Plate	1	SPCC	Guang dong weijia	
2	Diaphragm	1	Mylar	Ningbogaoyong	
1	V-coil	1	Copper	Daikoku	
No.	Part Name	Q'ty	Material	Remarks	

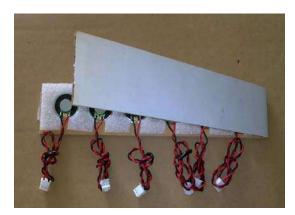
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8. Dimensions



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9. Packing



每条6PCS



每盒装8条



每盒48PCS



每箱装16盒

侧唛贴标贴, 标贴内容如下

爱普生部品编码: 2150776-00 KEPO型号: KP2848SP5C260-6765 LOT NO: xx xx (年周,根据喇叭本体上印字的LOT NO) 生产日: XX XX XX (年月日根据打包日期)