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	Revision No.	1.0		
Model No. : KPB3525-EM810-5905	Drawing No.	KFC5905		
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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 : 35x25 mm
- 2.2 Height : 6.6 mm
- 2.3 Weight : 15 g
- 2.4 Operating Temperature range:

-20~+50℃ without loss of function

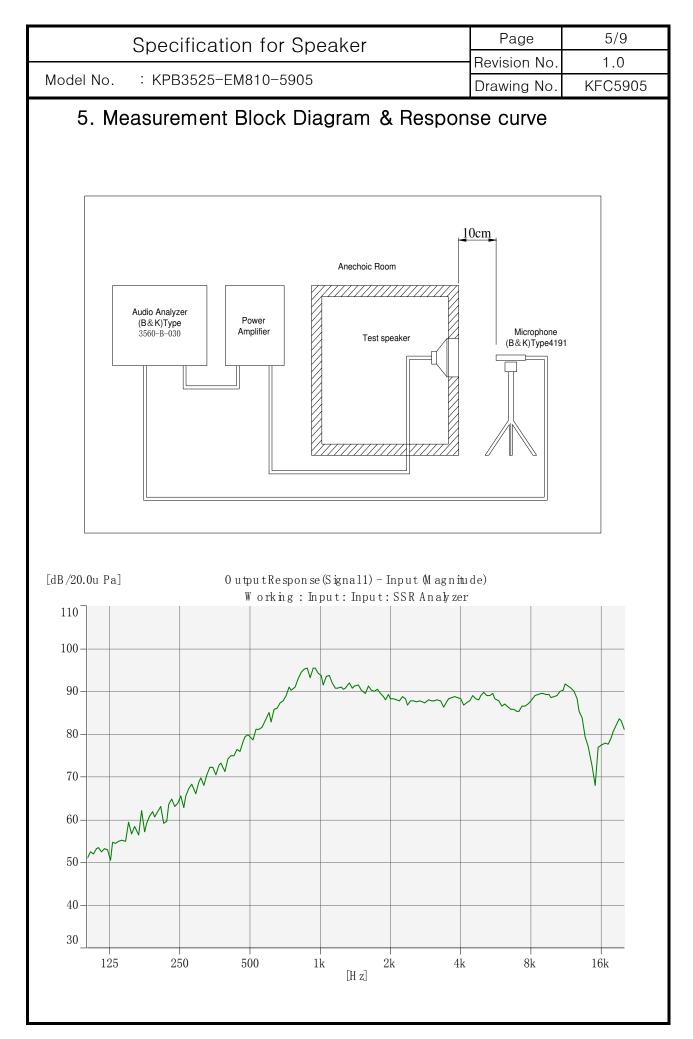
- 2.5 Store Temperature range:
 - -40~+60 °C without loss of function

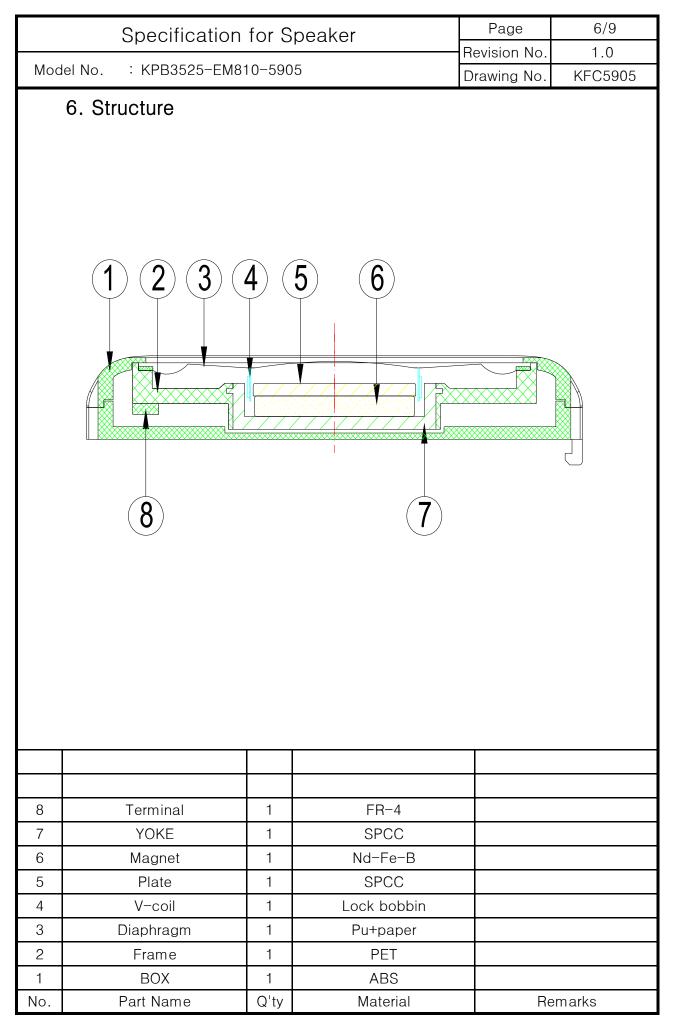
3. Electrical and Acoustic Characteristics.

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

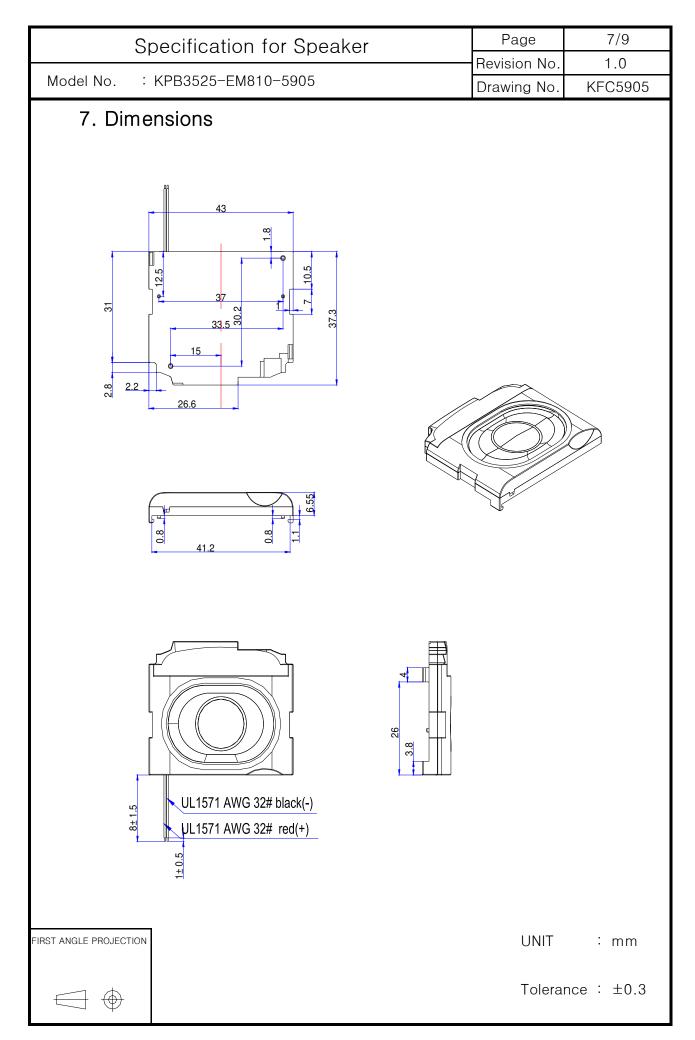
No	ltems	Specification	
1	Impedance	8 Ω ± 15% (1Vrms at 1KHz)	
2	Sound Pressure Level	91 dB ± 3dB (0.1w/0.1m average at 1.0,1.2,1.5,2kHz)	
3	Resonance Frequency	900 Hz ± 20%	
4	Frequency Range	Fo ~20KHz	
5	Input Power	Rated 1.5 W / Max. 2 W	
6	Distortion	<10% Max. at 2kHz/1Vrms	
7	Buzz and Rattle	Should not be audible buzzes,rattles when the 3.46V sine wave signal swept at frequency range.	
8	Polarity	When supplied plus D.C. voltage to (+) terminal, the cone diaphragm must move to forward.	

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	appearance not ex	est n), the speaker S.P.L . difference shall be kist any change to be harmful to normal op damages and especially distortion).		nd the
No	ltems	Specificatio	n	
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 -40±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 +40±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 +50°C to be placed in a chamber at -20°C for 1 hour diagram). After 6 above cycles, speaker shall be mean tural condition for 1 hour. +50°C	(1 cycle is the be	elow
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 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 white noise with input power 1.5W(3.46Vrms.) 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 Ω		





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8. Packing

Each minimum package unit of products shall be in a carton box and it shall be clearly marked with Part Number, quantity and outgoing inspection number.

There shall be no mechanical damage on products during transportation and/or in storage.

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	9. Revision					
Rev. No.	DATE	PAGE	DESCRIPTION			BOM
1.0	2010-9-6		Primary			