Specification for Speaker	Page	2/9
	Revision No.	1.0
Model No. : KPB2644-6799	Drawing No.	KFC6799

CONTENTS

- 1. Scope
- 2. General
- 3. Electrical and Acoustic Characteristics.
- 4. Reliability Test
- 5. Measurement Block Diagram & Response curve
- 6. Structure
- 7. Dimensions
- 8. Packing
- 9. Revision

Specification for Speaker	Page	3/9
	Revision No.	1.0
Model No. : KPB2644-6799	Drawing No.	KFC6799

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 : 42X42 mm
- 2.2 Height : 16 mm
- 2.3 Weight : 13 g
- 2.4 Operating Temperature range:

-30~+85℃ without loss of function

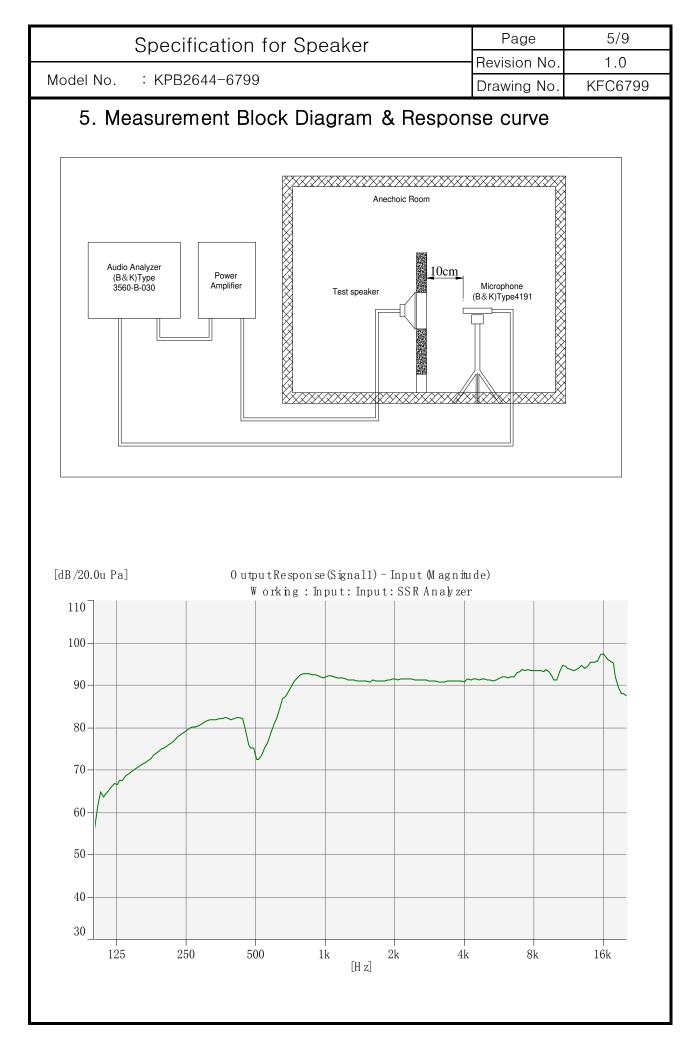
- 2.5 Store Temperature range:
 - $-40 \sim +85$ °C without loss of function

3. Electrical and Acoustic Characteristics.

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

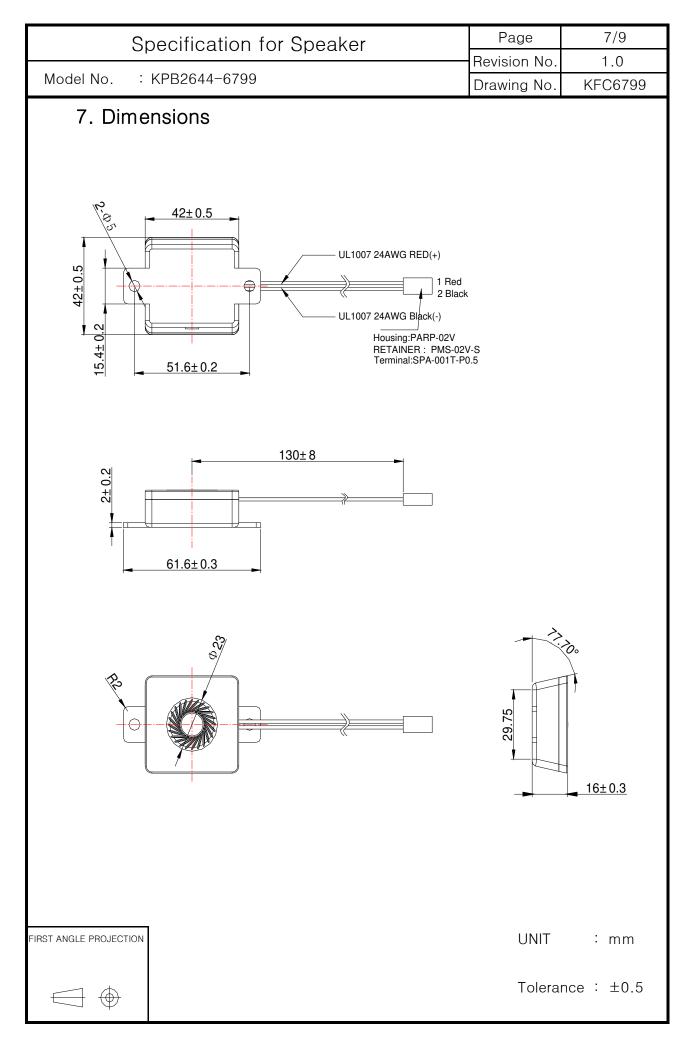
No	ltems	Specification		
1	Impedance	8 Ω ± 15% (1Vrms at 500Hz)		
2	Sound Pressure Level	92 dB ± 3dB (0.1W/0.1M average at 1.0,1.2,1.5,2kHz)		
3	Resonance Frequency	350 Hz ± 20%		
4	Frequency Range	Fo ~10KHz		
5	Input Power	Rated 1 W / Max. 1.2 W		
6	Distortion	<10% Max. at 2kHz/1Vrms		
7	Buzz and Rattle	Should not be audible buzzes,rattles when the 2.83V sine wave signal swept at frequency range.		
8	Polarity	When supplied plus D.C. voltage to (+) terminal, the cone diaphragm must move to forward.		

Specification for Speaker			Page	4/9	
Model No. : KPB2644-6799			Revision No.	1.0	
WOU		Drawing No.	KFC6799		
	appearance not ex	est n), the speaker S.P.L . difference shall be tist 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 +85±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 °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 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 +85°C f be placed in a chamber at -30°C for 1 hour diagram). After 6 above cycles, speaker shall be mea natural condition for 1 hour. +85°C -30°C 1 hour	(1 cycle is the b	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 1W(2.83Vrms.) 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			



Specification for Speaker				Page	6/9
			Revision No.	1.0	
Model N	lo. : KPB2644-67	799		Drawing No.	KFC6799
6.	Structure				
				8 7	
10	Terminal	1	10 9 (8 7	
9	Frame	1	FR-4 spcc	8 7	
9 8	Frame Magnet		FR-4 spcc Nd-Fe-B	8 7	
9	Frame Magnet Screen	1	FR-4 spcc	8 7	
9 8	Frame Magnet	1	FR-4 spcc Nd-Fe-B	8 7	
9 8 7	Frame Magnet Screen	1 1 1	FR-4 spcc Nd-Fe-B Unwoven-fabric	8 7	
9 8 7 6	Frame Magnet Screen V-coil	1 1 1 1 1	FR-4 spcc Nd-Fe-B Unwoven-fabric copper	8 7	
9 8 7 6 5	Frame Magnet Screen V-coil plate	1 1 1 1 1 1 1	FR-4 spcc Nd-Fe-B Unwoven-fabric copper spcc	8 7	
9 8 7 6 5 4	Frame Magnet Screen V-coil plate Diaphragm	1 1 1 1 1 1 1 1 1	FR-4 spcc Nd-Fe-B Unwoven-fabric copper spcc mylar	8 7	
9 8 7 6 5 4 3	Frame Magnet Screen V-coil plate Diaphragm Gasket	1 1 1 1 1 1 1 1 1 1 1	FR-4 spcc Nd-Fe-B Unwoven-fabric copper spcc mylar paper		PMS-02V-S

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Specification for Speaker	Page	8/9		
	Revision No.	1.0		
Model No. : KPB2644-6799	Drawing No.	KFC6799		
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.