SPECIFICATION

Customer :优美Applied To :·Product Name :SpeakerModel Name :·KP1838M1F-U01C-4074Drawing No. :·

Signature of Approval

Signature of KEPO

Approved by	Checked by	Issued by	Date

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MODELINO. :	KP1838M1F-U01C-4074	Drawing No.	KFC4074
CONTE	ENTS		
4. Reliabi	cal and Acoustic Characteristics. lity Test rement Block Diagram & Respons re sions g	se curve	

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Model No. :	KP1838M1F-U01C-4074	Drawing No.	KFC4074

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 : Φ 18 mm
- 2.2 Height : 4.0mm
- 2.3 Weight : 2.00gr.
- 2.4 Operating Temperature range:
 - -20~+70 $^\circ C$ without loss of function
- 2.5 Store Temperature range:

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

3. Electrical and Acoustic Characteristics.

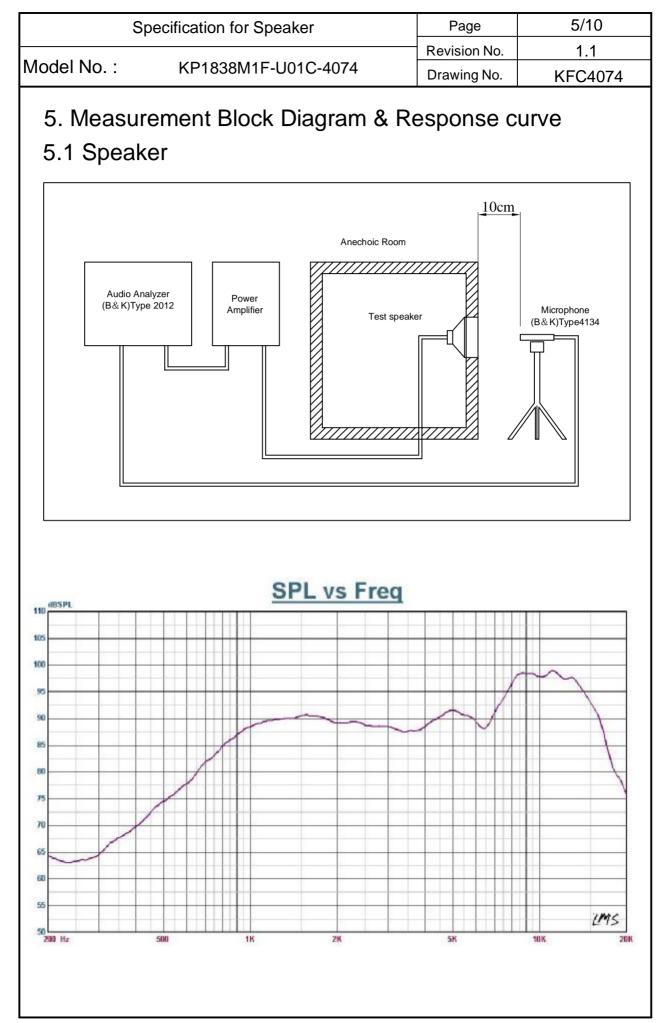
Test condition : 15 ~ 35 $\,^\circ\!\mathrm{C}$, $\,$ 25% ~ 85% RH, 860~1060 mbar

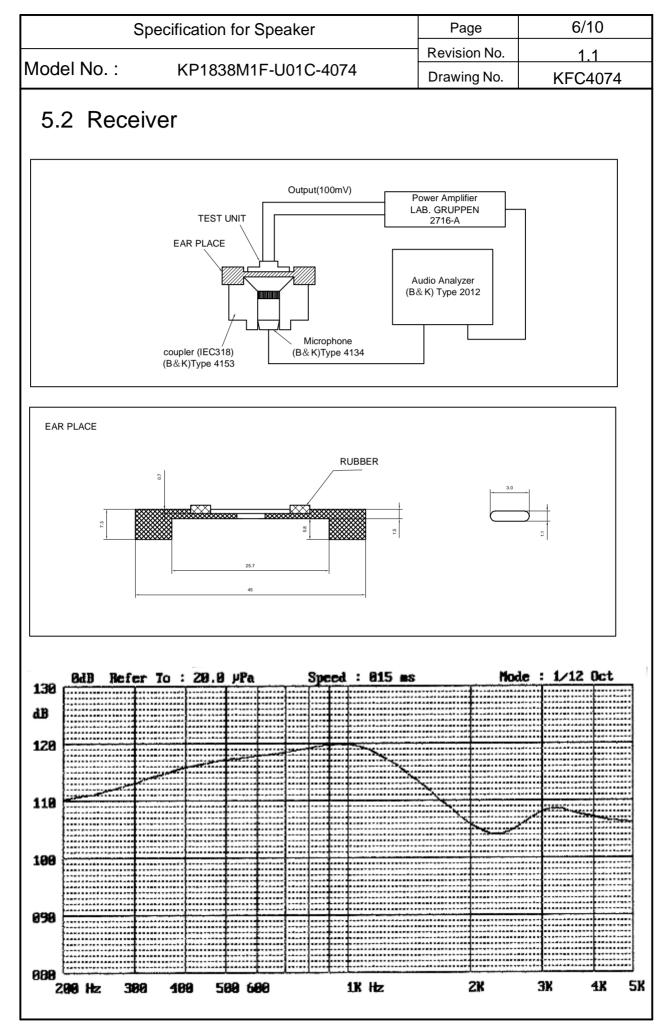
\square	Items	Specification	
1	Impedance	8 Ω ± 15%(at 1Vrms,1.5kHz)	
2	Sound Pressure Level	90dB ± 3dB(1kHz/0.1W/0.1M)	
3	Resonance Frequency	1000Hz ± 20%	
4	Frequency Range	F ₀ ~ 20kHz	
5	Input Power	Rated 0.5W / Max. 0.8W	
6	Distortion	<10% Max. at 2kHz/0.1W	
7	Buzz and Rattle	Should not be audible buzzes,rattles when the 0.5W sine wave signal swept at frequency range.	

3.2 Receiver

\sum	Items	Specification		
1	Impedance	8 Ω ± 15%(at 1Vrms,1.5kHz)		
2	Sound Pressure Level	120dB ± 3dB(1kHz/100mV)		
3	Frequency Range	300~3400Hz		
4	Input Power	Rated 10mW / Max. 30mW		
5	Distortion	<3% Max. at 1kHz/1Vrms		
6	Buzz and Rattle	Should not be audible buzzes, rattles when the 0.28V sine wave signal swept at frequency range.		

Model	No. : KP183	38M1F-U01C-4074	Revision No. Drawing No.	<u> </u>			
а	ppearance not exist an	est), the speaker S.P.L . difference s by change to be harmful to norma nd especially distortion).					
	Item	S	pecificatio	n			
1	High Temperature Test	After being placed in a chan and then being placed in natu 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 +80 °C for 1 hour, then speaker shall be placed in a chamber at -40 °C for 1 hour(1 cycle is the below diagram). After 6 above cycles, speaker shall be measured after being placed in natural condition for 1 hour. $\frac{20 \text{ Sec.}}{-40 °C}$					
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 85g~100g, shall with stand 15 to of 1.5 meter to a concrete floor board.and be nothing mechanic	times random dro faced with 5mm	ops from a height			
7	Load test	After being applied loading white noise with input power 0.5W for 96 hours, then placed in natural condition for 1 hour, speaker shall be measured.					
8	Insulation test	When they are measured with resistance between v.c. terminated $M \Omega$					



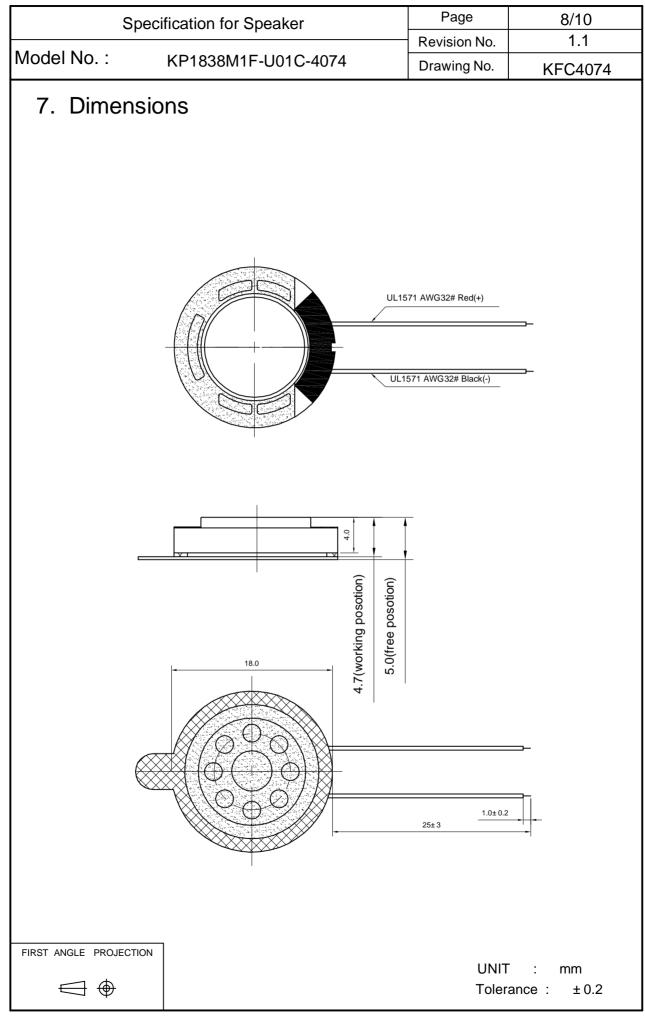


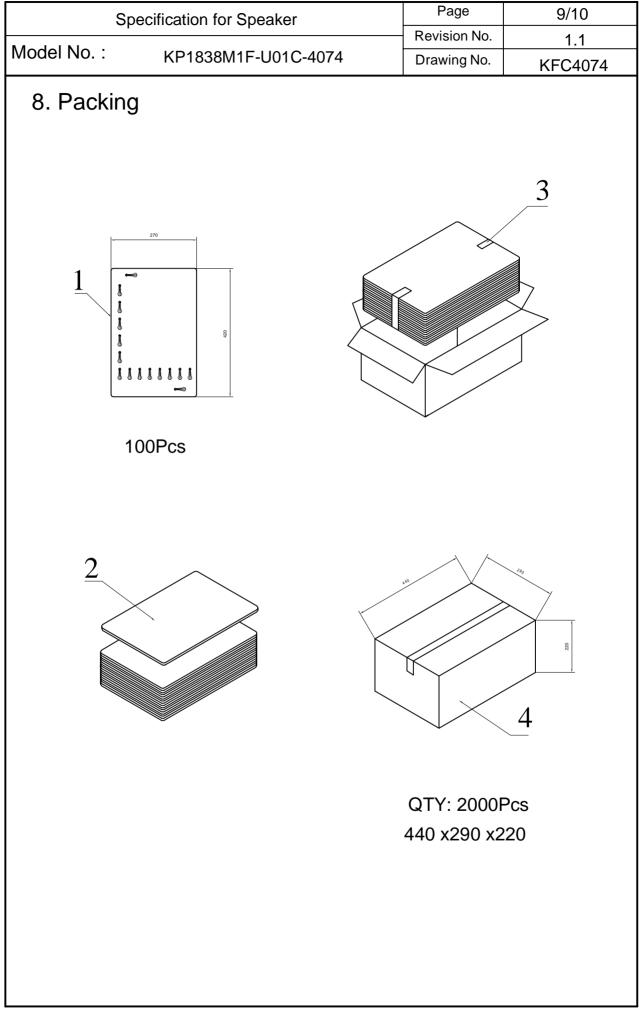
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Model No. :	KP1838I	M1E-110	10-4074	Revision No.	1.1
6. Structu	ure	2		B 6	KFC4074
			9		
10 s	Screen	1	9 3B		
	Screen YOKE	1			
9 U			3В		2B+800+PSR0.7+800
9 U 8 G	YOKE Gasket	1	3B SPC		2B+800+PSR0.7+800
9 U 8 G 7 Te	YOKE	1	3B SPC unwoven fabric		B+800+PSR0.7+800
9 U 8 G 7 Te 6 F	YOKE Gasket erminal	1 1 1	3B SPC unwoven fabric Epoxy PCB		B+800+PSR0.7+800
9 U 8 G 7 Te 6 F 5 M	YOKE Gasket erminal Frame Magnet	1 1 1 1 1	3B SPC unwoven fabric Epoxy PCB PBT		B+800+PSR0.7+800
9 U 8 G 7 Te 6 F 5 M 4 I	YOKE Gasket erminal Frame Magnet Plate	1 1 1 1 1 1	3B SPC unwoven fabric Epoxy PCB PBT Nd-Fe-B		B+800+PSR0.7+800
9 U 8 G 7 Te 6 F 5 M 4 H 3 Dia	YOKE Gasket erminal Frame Magnet Plate aphragm	1 1 1 1 1 1 1 1 1 1	3B SPC unwoven fabric Epoxy PCB PBT Nd-Fe-B SPC PEN		B+800+PSR0.7+800
9 U 8 G 7 Te 6 F 5 M 4 H 3 Dia 2	YOKE Gasket erminal Frame Magnet Plate	1 1 1 1 1 1 1 1	3B SPC unwoven fabric Epoxy PCB PBT Nd-Fe-B SPC		B+800+PSR0.7+800

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Mode	el No. :	KD1	838M1F-U01C-4074	Revision No.	1.1			
			Drawing No.	KFC4074				
9.	9. Revision							
Rev. No.	DATE	PAGE	DESCRIP	TION	BOM			
1.0	2008.08.12		Primar	у				
1.1	2008.08.12		Sound Pressu chang					