SPECIFICATION

Customer: 优美 Applied To: Product Name: Speaker Model Name: KP1838M1F-1208-4073 Drawing No.: KFC4073

Signature of Approval

Signature of KEPO

Approved by	Checked by	Issued by	Date



Sp	ecification for Speaker	Page	2/10
• • • • • •		Revision No.	1.2
Model No. :	KP1838M1F-1208-4073	Drawing No.	KFC4073
CONTE	ENTS		
4. Reliabi	cal and Acoustic Characteristics. lity Test rement Block Diagram & Response ire sions g	curve	

.

	Specification for Speaker	Page	3/10
		Revision No.	3/10 1.2 KFC4073
Model No. :	KP1838M1F-1208-4073	Drawing No.	

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.

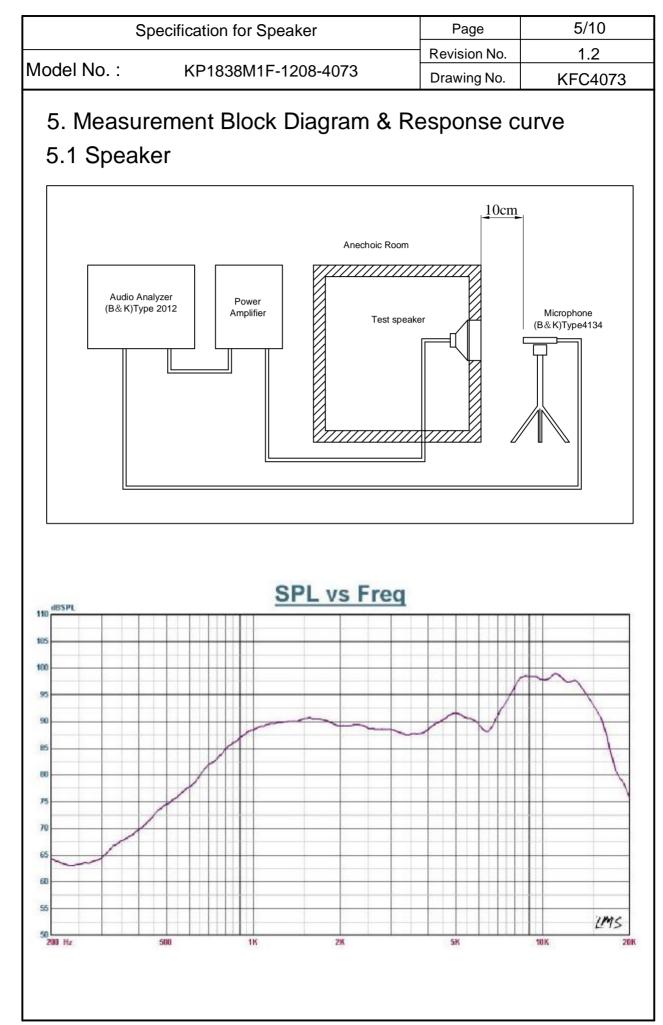
Test condition : 15 ~ 35 $\,^\circ\!\mathrm{C}$, $\,$ 25% ~ 85% RH, 860~1060 mbar

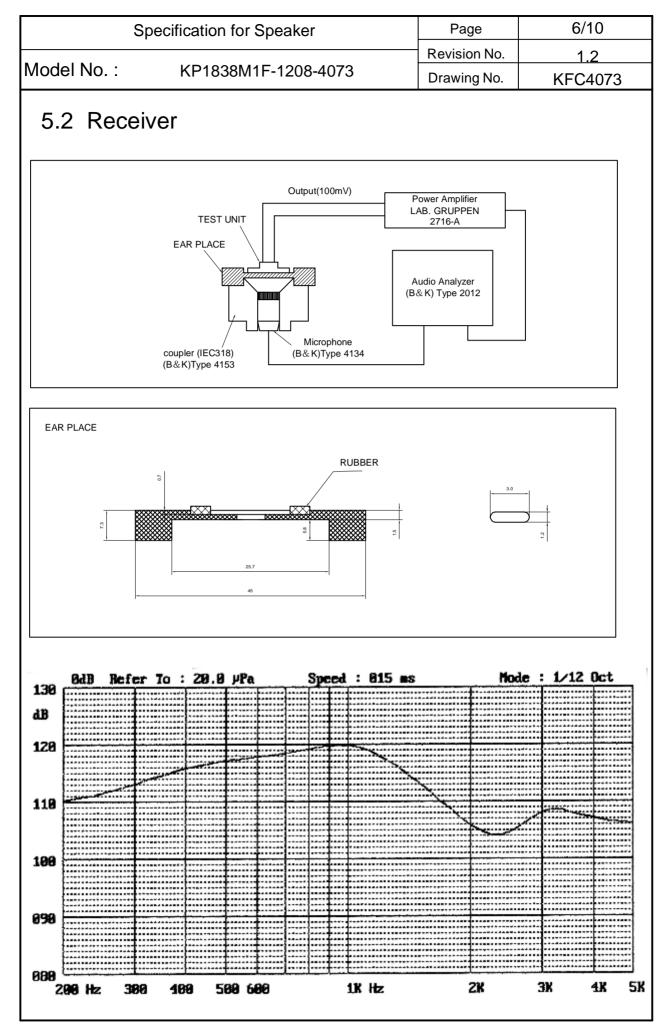
\square	Items	Specification	
1	Impedance	8 Ω ± 15%(at 1Vrms,1.5kHz)	
2	Sound Pressure Level	88dB ± 3dB(1kHz/0.1W/0.1M)	
3	Resonance Frequency	1000Hz ± 20%	
4	Frequency Range	F₀ ~ 20kHz	
5	Input Power	Rated 0.5W / Max. 0.8W	
6	Distortion	<10% Max. at 2kHz/0.1W	
7	Buzz and Rattle	Should not be audible buzzes,rattles when the 0.5W sine wave signal swept at frequency range.	

3.2 Receiver

$\left[\right]$	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	Specificatio	Page Revision No.	4/10 1.2		
MOUEI	NO KP18	38M1F-1208-4073	Drawing No.	KFC4073	
a	ppearance not exist an	est), the speaker S.P.L . difference s by change to be harmful to norma nd especially distortion).		3dB, and the	
	Item	Specification			
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 $^\circ$ 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 $+40\pm2$ $^{\circ}$ 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. $\frac{20 \text{ Sec.}}{-40 \text{ °C}}$			
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 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 0.5W for 96 hours, then placed in natural condition for 1 hour, speaker shall be measured.			
8	Insulation test	When they are measured wit resistance between v.c. termina M Ω			





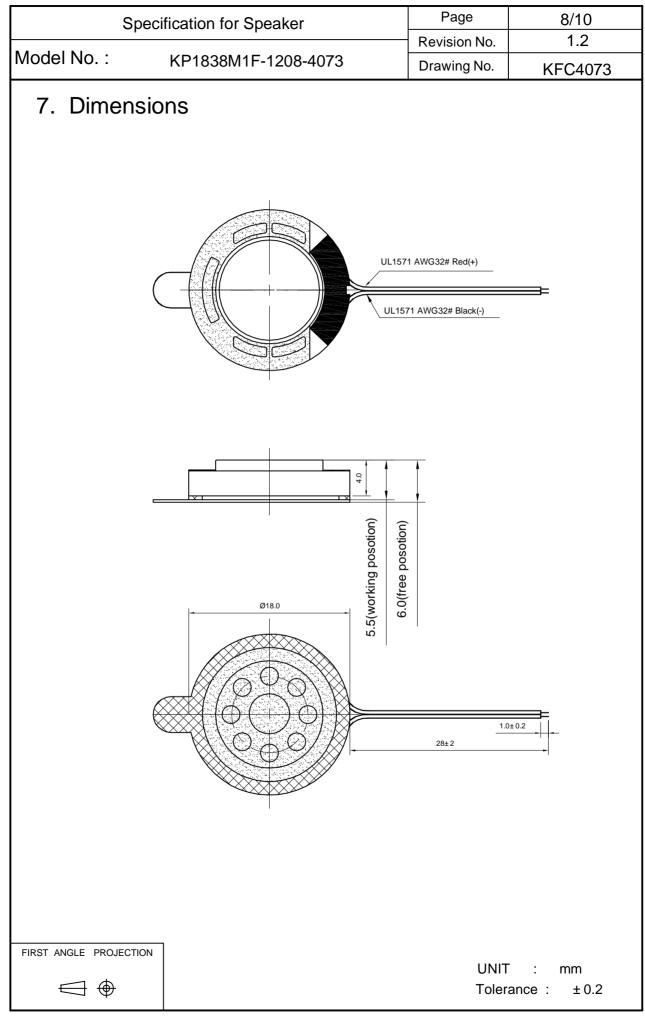
http://www.chinaacoustic.com

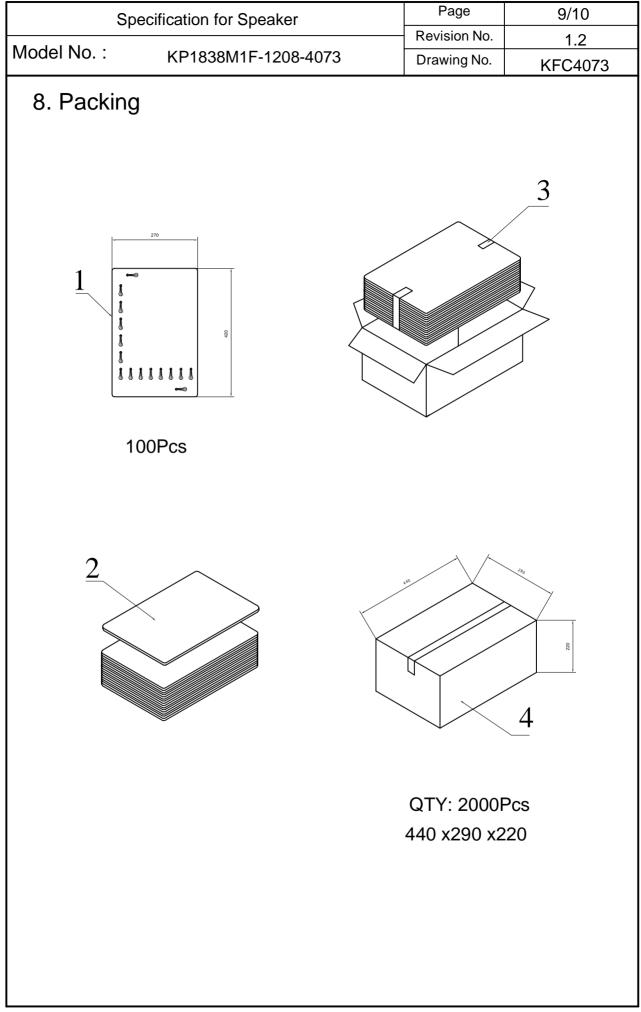
Sp	becification for	or Spea	aker	Page	7/10
Model No. :	1/04000		200 4070	Revision No.	1.2
	KP1838	M1F-12	208-4073	Drawing No.	KFC4073
6. Structu			3 4 5 9 9		
	reen				
	ÓKE	1	SPC		
	isket	1	unwoven fabric Epoxy PCB	800+2	B+800+PSR1.5+800
	minal				
	ame	1	PBT		
	ignet	1	Nd-Fe-B		
	late	1	SPC		
	hragm	1	PEN		
	Coil	1	Copper		
	Сар	1	SUS304		
No. Part	Name	Q'TY	Material		Remarks

.

.

http://www.chinaacoustic.com





Specification for Speaker				Page	10/10			
Mode	Model No. : KP1838M1F-1208-4073		Revision No. 1.2					
linoud	WODELING. KP1838M1F-1208-4073 Drawing No. KFC4							
9.	9. Revision							
Rev. No.	DATE	PAGE	DESCRIP	TION	ВОМ			
1.0	2008.08.16		Primar	У				
1.1	2008.09.01		Primar	у				
1.2	2008.09.28		wire cha	nge				

http://www.chinaacoustic.com