



深圳市兴华鑫电子科技有限公司

Shenzhen xinghuaxin Electronic Technology Co., Ltd

承認書

SPECIFICATION FOR APPROVAL

客戶 (Customer):

客戶料號 (Customer P/N):

興華鑫型號 (Supplier P/N):

XHxDZ-6050 偏針

產品名稱 (Description):

咪头 (Microphone)

產品規格 (Specification):

客戶承認欄 (Customer Authorization Signature)	深圳市興華鑫電子科技有限公司 承認欄 (Supplier Audit)		
	審核	檢查	制作
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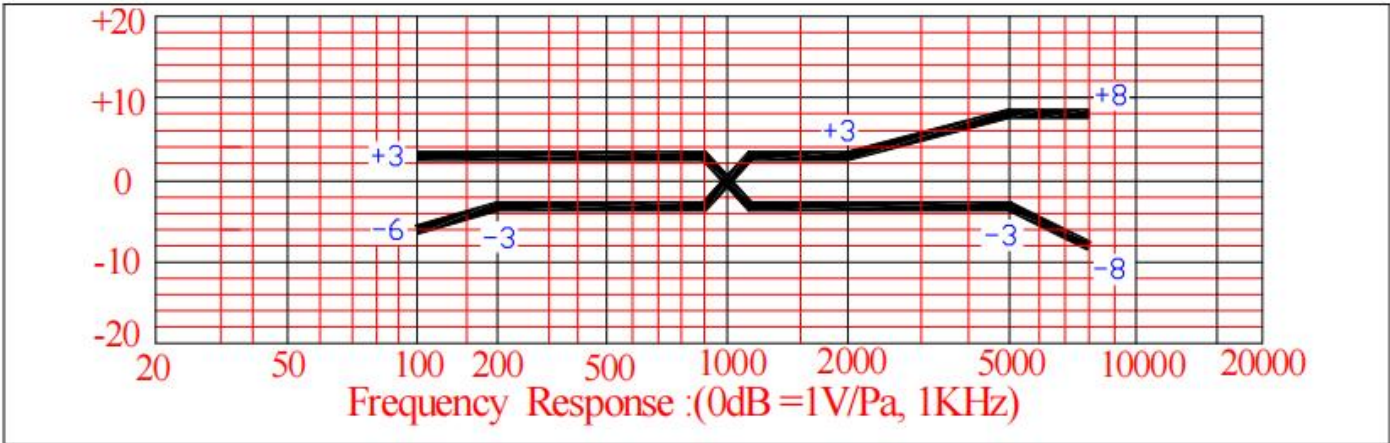
1 TYPE: 6050 偏针

2. (1)ELECTRICAL CHARACTERISTICS

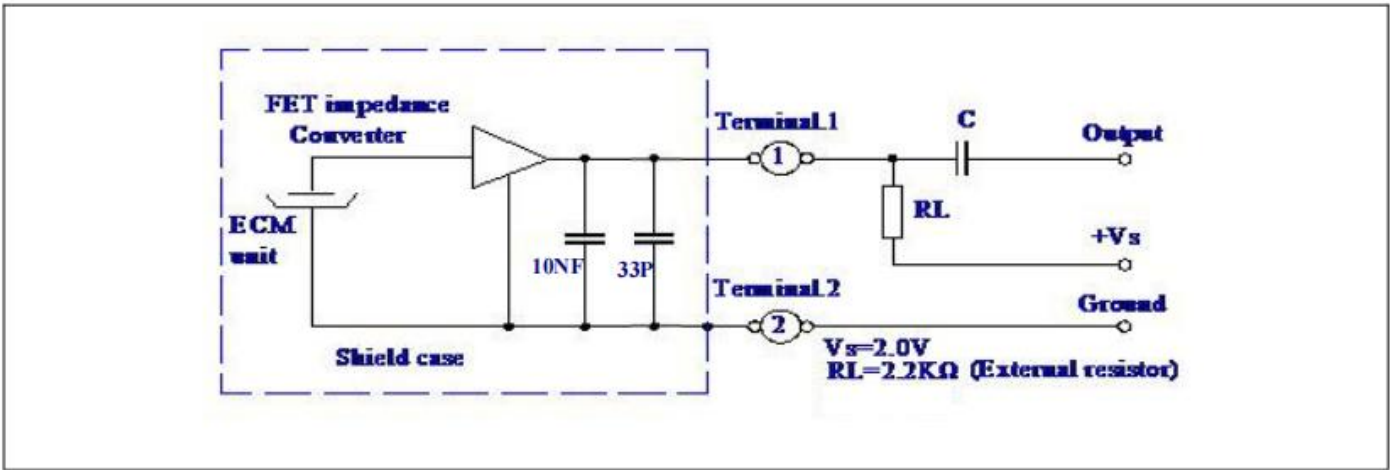
TEMP=20±2℃ Room Humidity=65±5%

PARAMETER	SYMBOL	CONDITION	LIMITS			UNIT
			Min	Center	Max	
Sensitivity	S	F=1KHZ,S.P.L=1Pa0dB=1V/Pascal	-34	-36	-38	dB
Output impedance	Sout	F=1KHZ			2.2	K Ω
Current Consumption	IDss	VS=4.5V RL=2.2K Ω	50		400	uA
Directivity	Omnidirectional					
Signal to Noise Ratio	S/N	S:(f=1KHZ,S.P.L=1Pa) N:(A-Weighted curve)	60			dB
Decreasing Voltage	△S-VS	Vs=3V to 1.5V			-3	dB
Operating voltage			1.0		10	V
Maximum input S.P.L					110	dB

(2)TYPICAL FREQUENCY RESPONSE CURVE 频响曲线

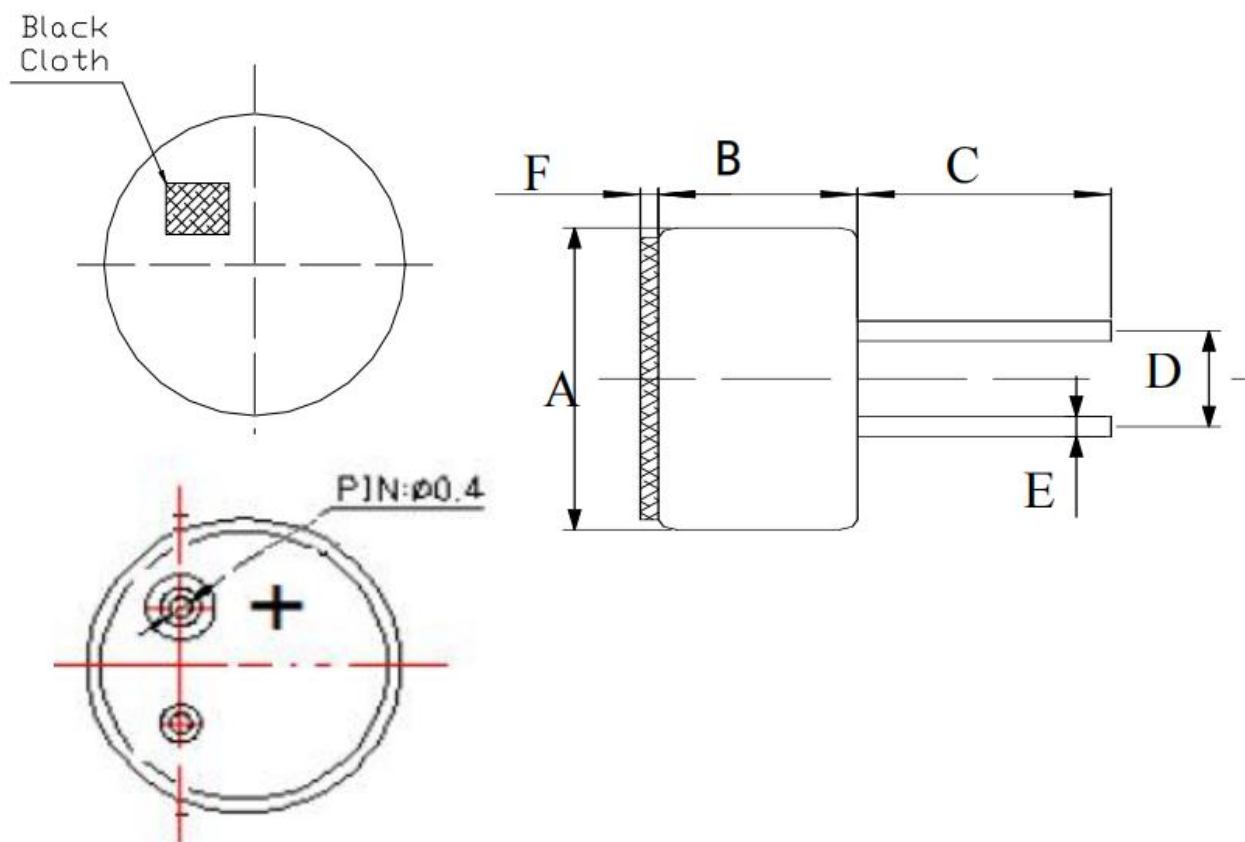


3. MEASUREMENT CIRCUIT 测量电路



4、DIMENSIONAL DRAWING 三维制图

unit单位:mm



Part	Min.	Standard	Max.	
A	Φ 5.8	Φ 6.0	Φ 6.2	
B	4.8	5.0	5.2	
C	4.8	5.0	5.2	
D	/	1.9	/	
E	/	0.4	/	
F	0.1	0.2	0.3	

5、PART LIST 结构清单

Item 序号	Part Name 名称	Material 材料	Qty 数量	Color 颜色	Supplier 产地	Note 备注
1	Filter 防尘网	Fabric	1	Black	China	
2	Case 外壳	AL	1	White	China	
3	Diaphragm 膜片	PET Plated Nickel	1	Bright	Dupont USA	
4	Spacer 垫片	Polyester Film	1	Blue	China	
5	Case 外壳	AL	1	White	China	3 hole
6	Holder 塑环	POM Plastic	1	White	China	
7	Case 外壳	AL	1	White	China	
8	PCB 线路板	FR4	1	green	China	
9	Capacitor 电容	10NF 33PF	2	Grey	Japan	
10	FET 管芯	J35	1	Black	China	
		Below is empty 以下为空				

6.MECHANICAL CHARACTERISTICS

Soldering Hear Shock	To be no inteference in operation after soldering Heat shock,temperture270℃±5℃ for 3±1 seconds
Terminal Mechanical Strength	To be no interference in operation after pulled the terminal with 0.5kgstrength for 3 seconds.

7.RELIABILITY TEST

All tests are to be carried out on the same test batch in the order listed.

The sensitivity to be within $\pm 3\text{dB}$ of initial sensitivity after 3 hours of conditioning at 20°C

High temp. test	The microphone unit must be subjected at $+70^\circ\text{C}$ for 200 hours and expose to room temp for 3 hours.
Low temp.test	The microphone unit must be subjected at -25°C for 200 hours and expose to room temp for 3 hours.
Humidity test	The microphone unit must be subjected at $+40^\circ\text{C}$ $90 \pm 5\%$ RH-for 200 hours and expose to room temp for 3 hours.
Temperature Cycle Test	After exposure at -25°C for 30 minutes,at 20°C for 10 minutes,at $+60^\circ\text{C}$ for 30 minutes,at 20°C for 10 minutes,5 cycles,the sensitivity to be wuthin $\pm 3\text{dB}$ from the initial sensitivity.
Vibration Test	The microphone unit must be subjected to a procedure that after vibrating for two hours from each of 3 directions with a frequency of 10-55 Hz and a 1.5mm-high amplivtude.
Drop Test	The part unit without packaged must be subjected to each 3 drops at three axes from the height of 1 meter to 20 mm thick wooden board.

8.THE STORAGE,TRANSPOTATION AND USING GUIDE OF CONDENCER MICROPHONE

Testing Condition

In Normal Weather

Environment Temperature :+15~+35℃

Relative Humidity :45~75%

Air Pressure :86~106Kpa

In Arbitrate Weather

Environment Temperature :20+/-1℃

Relative Humidity :63~67%

Air Pressure :86~106Kpa

The full packed Mic.should be store at warehouse in - 40~70℃,and the relative humidity less than 90%.The warehouse must keep constant temperature,without acid or any other poisonous gas,and not caused any influence from strong magnetic field.

Operating temp.range:-10℃~+50℃

A good package will help Mic. on using normal transportation. Please pay more attention to preventhumid, shake,sunlight and heavy press.

9.REGARDING THE SOLDERING OPERATION

Every Mic.has installed FET.,The FET.is easy broken by strong heat and static electricity,so when you working on,please be attention that:

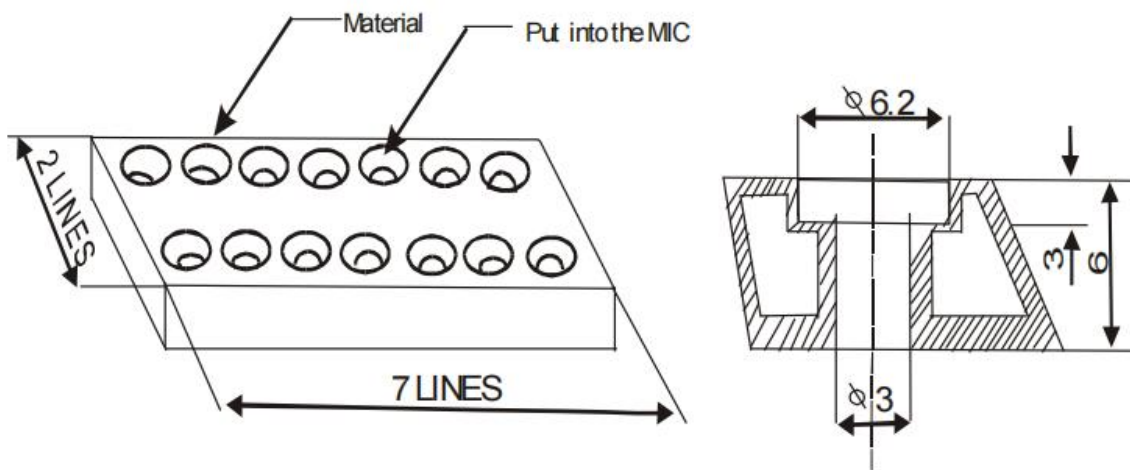
9.1 Recommend using constant branding iron in 15~30W ,and in temperature range 240~270℃.

9.2 Soldering time not over 3 seconds.

9.3 Don' t stay any hole or dust when soldering.

9.4 To avoid the Mic. be broken by static electricity, the people and working station should install preventstatic electricity equipment.

9.5 Please using the easy dissipate heat material(Such as Aluminum ...) to be the soldering plate.The appearance as followw:



1.小包装： 每 500PCS 装入透明自封袋中

2 中包装： 每 6 袋小包装装入中包装纸盒

3.外包装： 每 10 盒中包装装入外包纸箱