

承 认 书

SPECIFICATION FOR APPROVAL

客 户 Customer:

产品名称 Project: MIC咪头4013 黄板同心圆电阻

规格型号 Part No: MIC4013-Y

贵公司承认印 Approval signatures

| 料 号/Part No. | 签 章/Signatures |
|--------------|----------------|
|              |                |

日期 Date:

|             |     |  |
|-------------|-----|--|
| 拟制/Drawn    | 王宗华 |  |
| 审核/Check    | 陈森森 |  |
| 批准/Approved | 张春华 |  |

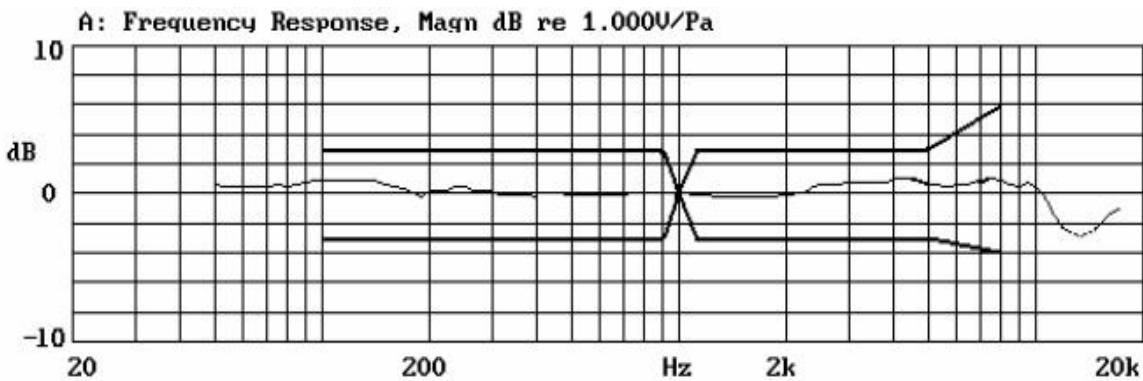
一. SCOPE 适用范围

The specifications should be applied to electret condenser microphone of T401305-423S  
此规格书适用于 T401305-423S 型驻极体电容传声器

二. ELECTRICAL CHARACTERISTICS 电气特性

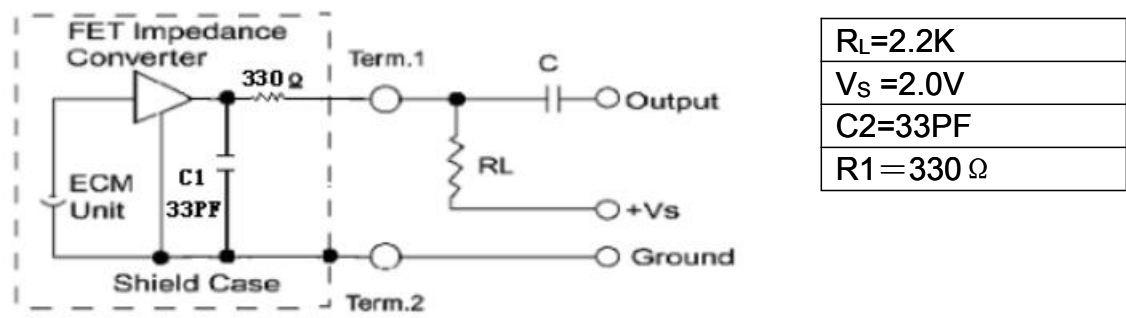
|     |                           |                                               |
|-----|---------------------------|-----------------------------------------------|
| 2.1 | Sensitivity Range         | -42±3dB RL=2.2KΩ Vs=2.0V( 1KHz 0dB=1V/Par)    |
| 2.2 | Impedance                 | Max. 2.2KΩ 1KHz (RL=2.2KΩ)                    |
| 2.3 | Frequency                 | 20-16000 Hz                                   |
| 2.4 | Current Consumption       | Max.0.5Ma                                     |
| 2.5 | Operation Voltage Range   | 1.5V-10V                                      |
| 2.6 | Max. Sound Pressure Level | 115dB S.P.L                                   |
| 2.7 | S/N Ratio                 | More than 58dB                                |
| 2.8 | Sensitivity Reduction     | 2.0V-1.5V Sensitivity Variation less than 2dB |
| 2.9 | Environmental Protection  | ROHS                                          |

三. TYPICAL FREQUENCY RESPONSE CURVE 频率响应曲线

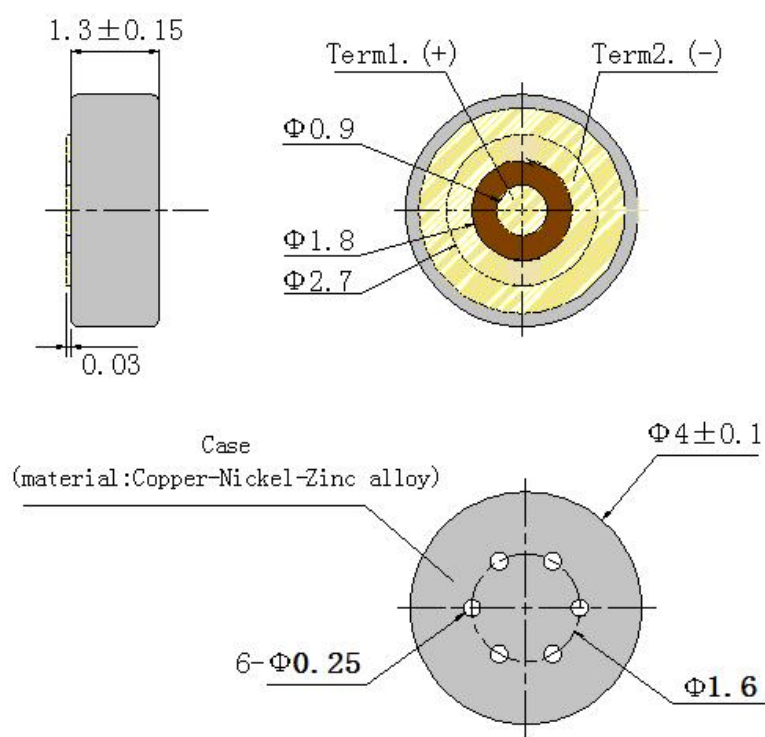


|                 |     |     |     |      |      |      |      |      |      |
|-----------------|-----|-----|-----|------|------|------|------|------|------|
| Frequency(Hz)   | 100 | 200 | 900 | 1000 | 1200 | 2000 | 4000 | 5000 | 8000 |
| Upper Limit(dB) | 3   | 3   | 3   | 0    | 3    | 3    | 3    | 3    | 4    |
| Lower Limit(dB) | -3  | -3  | -3  | 0    | -3   | -3   | -3   | -3   | -3   |

四. MEASUREMENT CIRCUIT 测量线路



五. APPEARANCE & DIMENSIONS DRAWING 外观尺寸图



六、RSLIABILITY TEST 性耐性试验

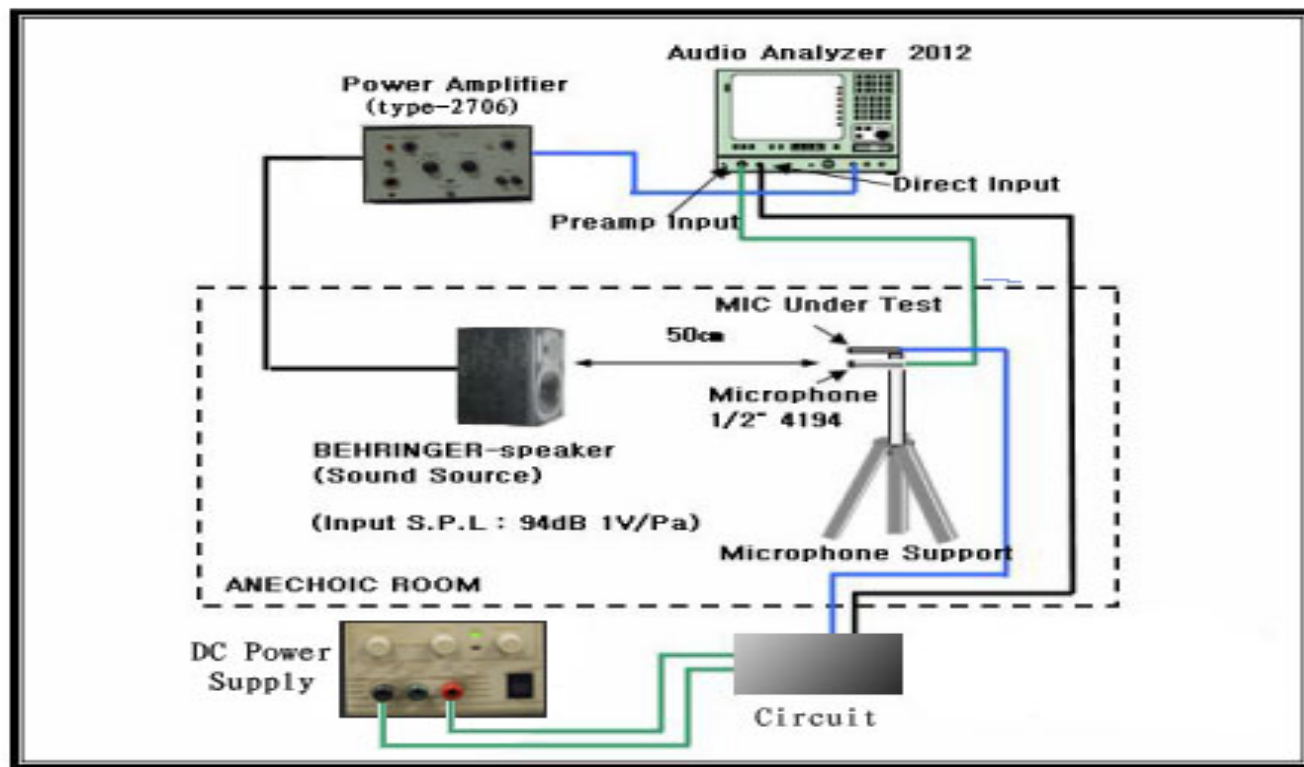
|                       |                                                                                                                                                                                                   |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hi-Temp. Test         | The microphone unit must be subjected to +85℃ for 200 Hours, and expose to room temperature for 3 Hours.                                                                                          |
| Humi.&Heat Test       | The microphone unit must be subjected to +60℃, 93% RH-for 200 Hours, and expose to room tem pfor 3 Hours .                                                                                        |
| Low-Temp. Test        | The microphone unit must be subjected to -40℃ for 200 Hours, and expose to room temperature for 3 Hours.                                                                                          |
| Dropping Test         | The microphone unit must be subjected to a procedure that after dropping to a slippery marble floor for 5 times from a 1-meter-high without package.                                              |
| Vibration Test        | The microphone unit must be subjected to a procedure that after vibrating for two hours from each of the two directions with a frequency of 10-55Hz and a 1.52mm-high amplitude.                  |
| Thermal Shocking Test | The microphone unit must be subjected to a environment from - 40℃ for30 minutes to the end of +85℃ for 30 minutes, which shall be repeated 5 cycles and exposed to room temperature for 3 hours . |

All tests should be done after 3 hours of conditioning at 20℃, R. H60%, while the sensitivity is to bewithin ±3dBfrom the initial sensitivity after the following experiments.)  
在下列试验完成后, 在温度为 20℃, 相对湿度为 60%的条件下恢复 3 小时后进行测试, 灵敏度与初始灵敏度相差在±3dB 以内.

|                            |                                       |
|----------------------------|---------------------------------------|
| Storage Temperature 储存温度   | -40℃ ~70℃ With0% ~ 90% R. H. humidity |
| Operating Temperature 操作温度 | -20℃ ~60℃ With0% ~ 90% R. H. humidity |

## 七. MEASUREMENT SYSTEM测量系统

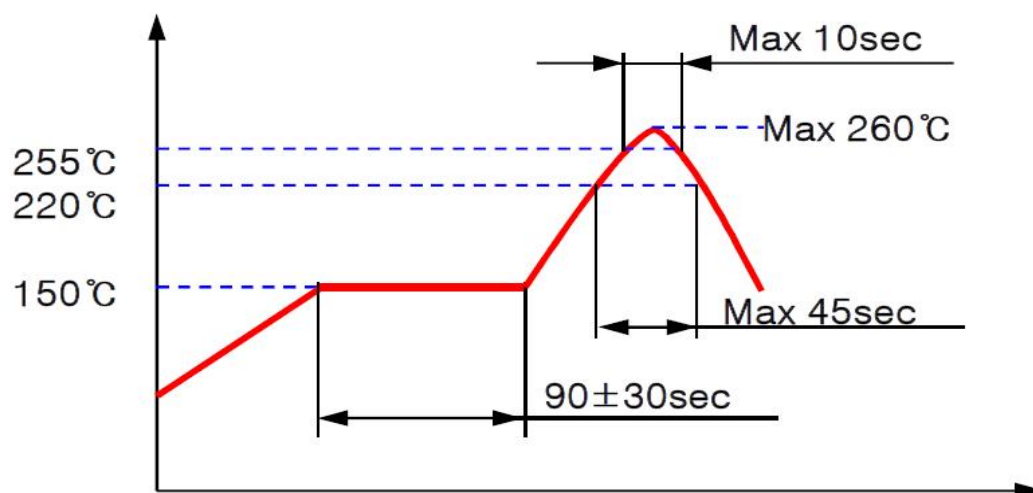
Far field measurement system



## 八.Soldering Condition焊接条件

Guaranteed Maximum Reflow Condition 极限回流条件

Ambient temperature

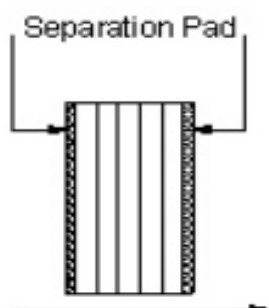


NOTE : After the first reflow, the second reflow is tested on keeping MIC the usual temperature. 第一次回流焊后, 待产品温度恢复常温再进行第二次回流焊.

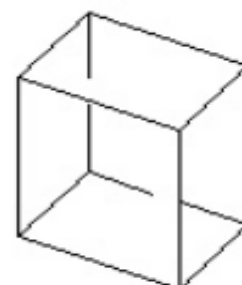
## 九.Package 包装



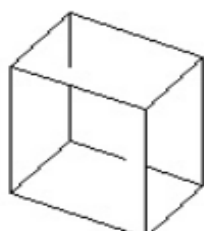
Packing (5000PCS)



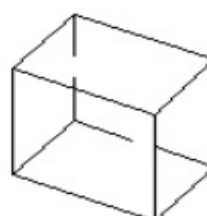
5 pcs reels



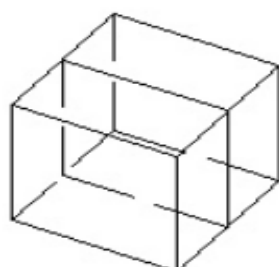
Plastic Bag (25000PCS)  
(336mm\*115mm\*450mm)



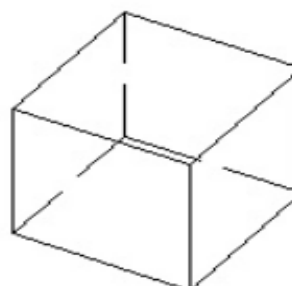
Plastic Bag (25000PCS)  
(336mm\*115mm\*450mm)



Inner Box (25000PCS)  
(340mm\*135mm\*355mm)



Two Inner Box (50000PCS)



Outer Box (50000PCS)  
(370mm\*300mm\*390mm)