

承 认 书

SPECIFICATION FOR APPROVAL

客 户 Customer:

产品名称 Project: MIC咪头4013 贴片红板高温绑定电容

规格型号 Part No: MIC4013-R

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	

奔驰标电阻电容。

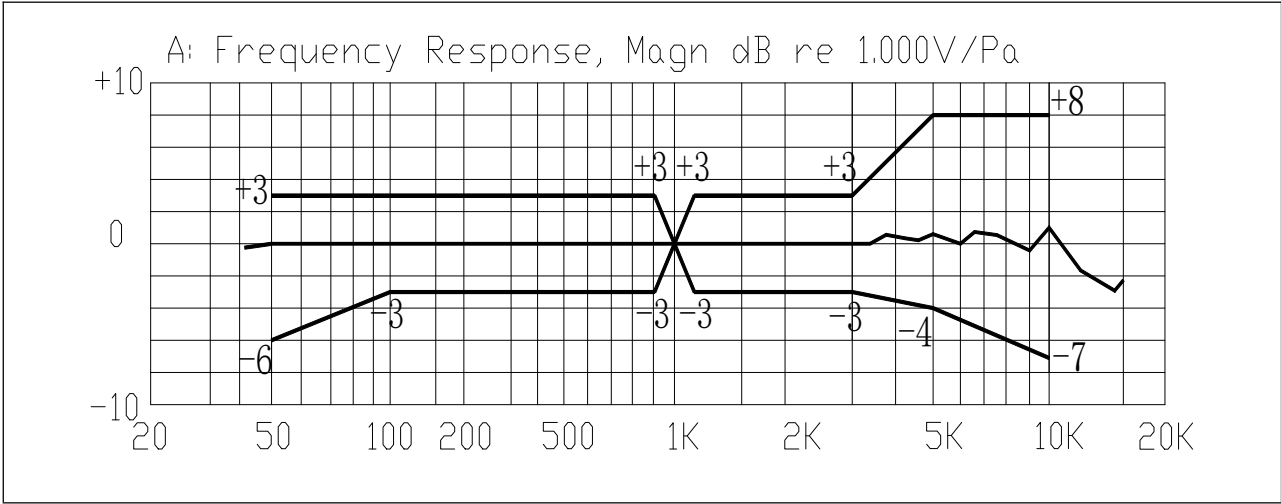
一. SCOPE 适用范围

Name: Omnidirectional Electret Condenser Microphone
TYPE: T401302 高温绑定单电容

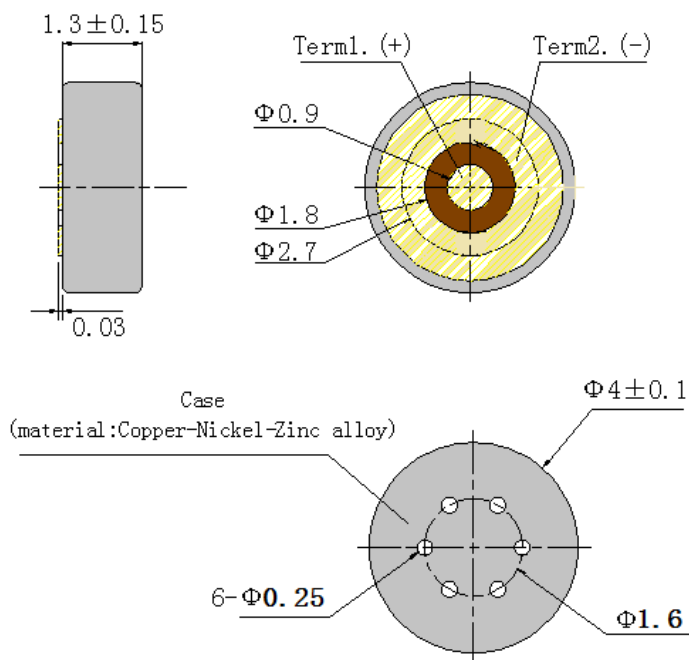
二. ELECTRICAL CHARACTERISTICS 电气特性

1	Sensitivity Range	-38±3dB RL=2.2KΩ Vs=2.0V(1KHz 0dB=1V/Par)
2	Impedance	Max. 2.2KΩ 1KHz (RL=2.2KΩ)
3	Frequency	20-16000 Hz
4	Current Consumption	Max.0.5Ma
5	Operation Voltage Range	1.5V-10V
6	Max. Sound Pressure Level	115dB S.P.L
7	S/N Ratio	More than 58dB
8	Sensitivity Reduction	2.0V-1.5V Sensitivity Variation less than 3dB
9	Environmental Protection Regulation	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	6
Lower Limit(dB)	-3	-3	-3	0	-3	-3	-3	-3	-4



Drop Test 跌落试验	To be no interference in operation after dropped to concrete floor each one time from 1 meter height at three directions in state of standard packing. 每次跌落到混凝土地面后，无干扰操作。在标准包装状态下，三个方向的高度为 1 米。
Vibration Test 振动试验	To be no interference in operation after vibration. 10Hz to 55Hz for 1 minute full amplitude 1.52mm, for 2 hours at three axes in state of Standard packing. 振动后运行无干扰。10Hz 至 55Hz，1 分钟全振幅 1.52mm，在标准包装状态下在三个轴上放置 2 小时。
Temperature Cycle Test 温度循环试验	After exposure at -25°C for 30 minutes, at 20°C for 10 minutes, at 70°C for 30 minutes, at 20°C for 10 minutes. 5 cycles, sensitivity to be within $\pm 3\text{dB}$ from initial sensitivity. 在 -25°C 环境 30 分钟后，在 20°C 环境 10 分钟后，在 70°C 环境 30 分钟后，在 20°C 下保持 10 分钟。5 个周期，灵敏度在初始灵敏度的 $\pm 3\text{dB}$ 范围内。
Temperature Shock Test 温度冲击试验	Temperature change from -25°C to 70°C for 30 minutes. (changing time : 20 sec.)After 5 cycles, sensitivity to be within $\pm 3\text{dB}$ from initial sensitivity 温度从 -25°C 到 70°C 变化 30 分钟。（改变时间：20 秒）5 个周期后，灵敏度在初始灵敏度的 $\pm 3\text{dB}$ 范围内。

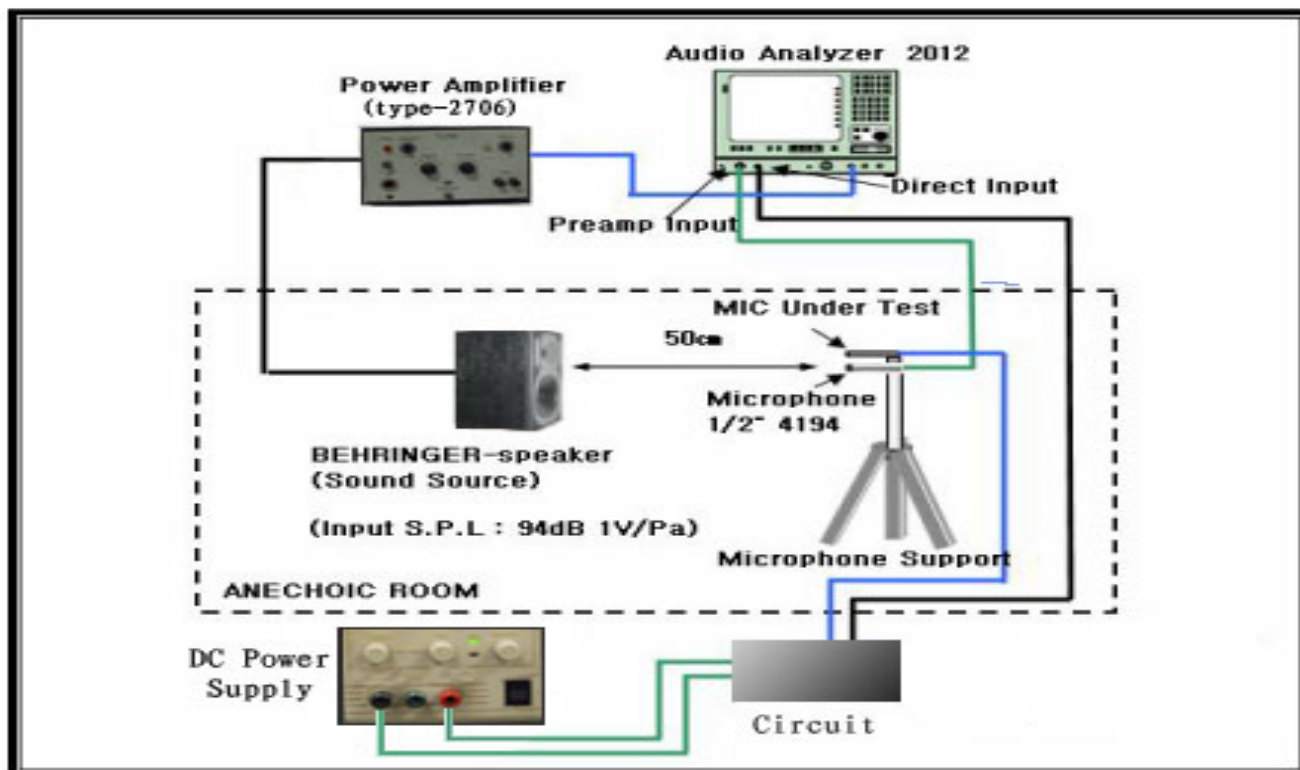
All tests should be done after 3 hours of conditioning at 20°C , R.H60%, while the sensitivity is to be within $\pm 3\text{dB}$ from the initial sensitivity after the following experiments.) 在下列试验完成后，在温度为 20°C ，相对湿度为 60% 的条件下恢复 3 小时后进行测试，灵敏度与初始灵敏度相差在 $\pm 3\text{dB}$ 以内。

Storage Temperature 储存温度 $-40^{\circ}\text{C} \sim 70^{\circ}\text{C}$ With 0% ~ 90% R.H. humidity

Operating Temperature 操作温度 $-20^{\circ}\text{C} \sim 60^{\circ}\text{C}$ With 0% ~ 90% R.H. humidity

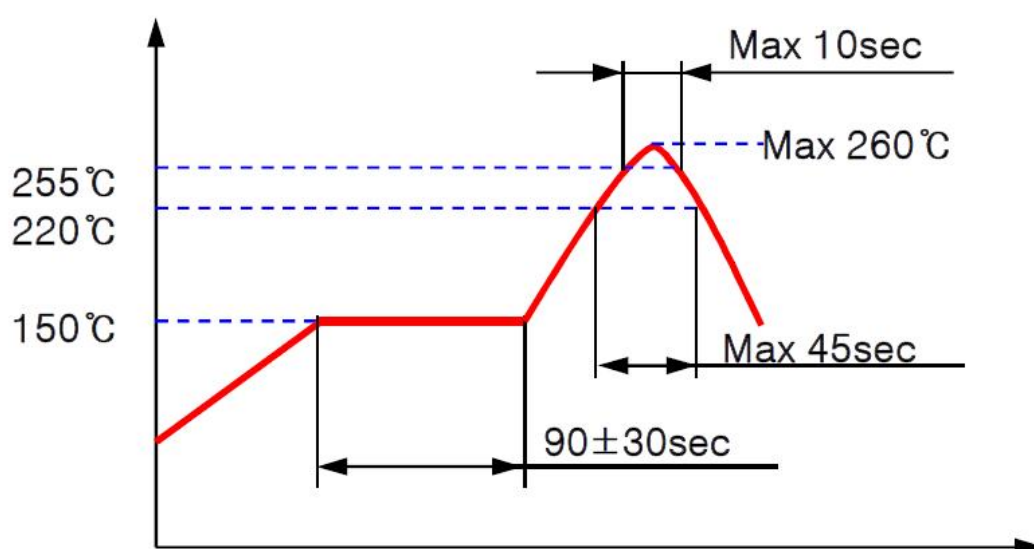
Far field measurement system

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

