



深 圳 市 广 吉 星 电 子 有 限 公 司
SHENZHEN GUANGJIXING ELECTRONI CO.,LTD

样品承认书
SPECIFICATION
供 客 户 承 認
(FOR APPROVAL)

客戶名稱： 矽递科技 客戶料號：

Customer's Name : Customer's Part No :

产品名称： 驻极体电容式麦克风 送樣編號： 20140623974542PHB01

Production Name : Sample No :

靈敏度： $-40 \pm 3\text{dB}$ 型號： EAO-9745-PFA-C1033-28-008

Sensitivity : Model :

CUSTOMER	APPROVER	CHECKER

如蒙承認請簽核後回傳，謝謝！

Please counter-signed fax back to us to signify your acceptance. Thanks !

Prepare	吴位庆	CHECKER	宁其美	APPROVER	方海兵
DATE	2014-06-23	DATE	2014-06-23	DATE	2014-06-23

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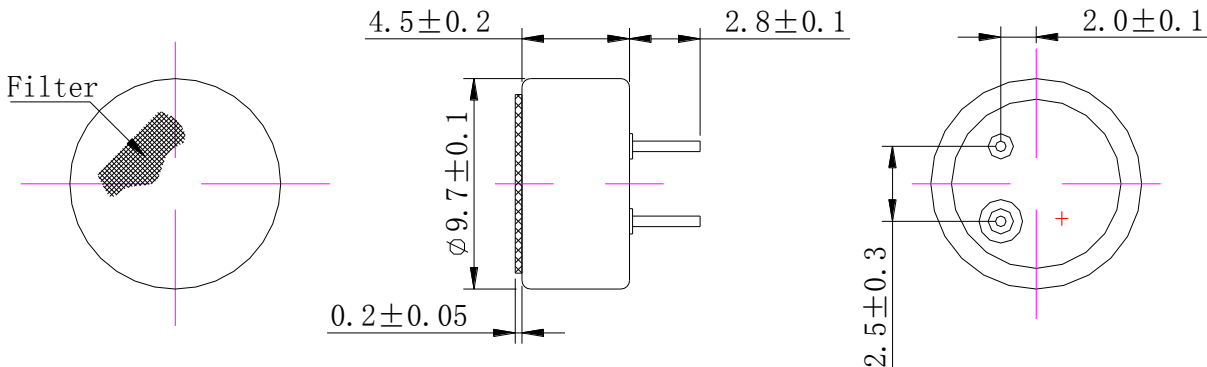
邮箱：Daviciu@hotmail.com



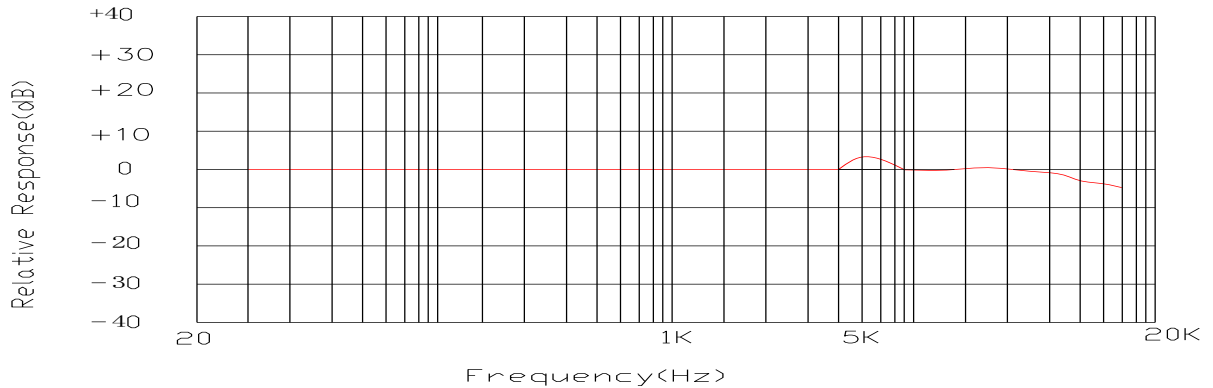
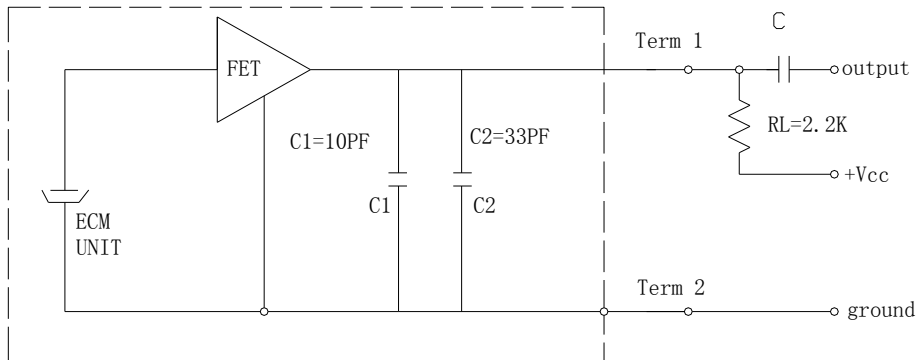
GUANG JI XING

SPECIFICATION

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1.	适用范围 Scope	本规格书适用于驻极体电容式麦克风 This specification applies back elect ret condenser microphone		
2.	型号 Model No.	EAO-9745-PFA-C1033-28-008		
3.	试验条件 Test Condition			
	3-1 标准试验条件 Standard Test Condition	温度/Temperature	:5~35℃	
		相对对湿度/Rel.Humidity:	45~85%(RH)	
		气压/Pressure	:86~106KPa	
4.	3-2 判定试验条件 Judgment Test Condition	温度/ Temperature	:20±2℃	
		相对湿度/ Rel.Humidity:	60~70%(RH)	
		气压/ Pressure	:86~106KPa	
4.	规格 Specifications			
	4-1 尺寸 Dimension	Φ 9.7±0.1 x 4.5±0.2(H)mm		
	4-2 Elect ret	Foil Elect ret		
	4-3 指向性 Directivity	Omni-directional		
	4-4 灵敏度 Sensitivity	-40±3dB (0dB=1V/pa,1KHz)		
	4-5 尺寸图 Appearance and Dimension <div>Unit: mm</div> <div></div>			
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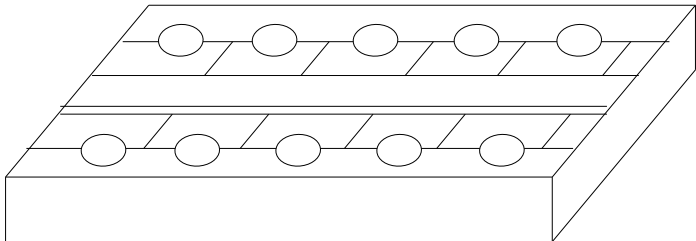
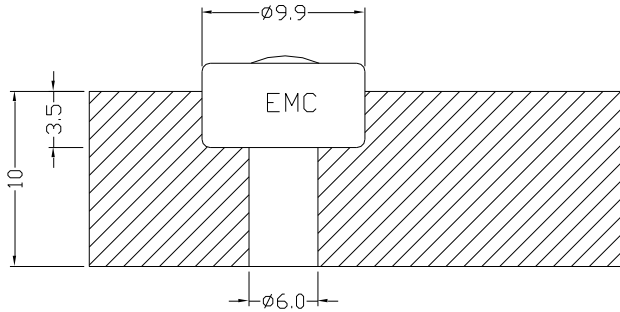


	4-6 负载阻抗 Operating Impedance	2.2K Ω		
	4-7 基准电压 Standard Power Supply	2.0V		
	4-8 操作电压 Operating Voltage	D.C1-10V (sensitivity Reduction: Within -3dB at 1.5V Compare to 3.0V)		
	4-9 频响特性 Frequency	50-16,000Hz		
	4-10 消耗电流 Current Consumption	Max.0.5mA		
	4-11 信噪比 S/N Ratio	More than 58dB		
	4-12 最大输入声压 Max input sound level	110dB SPL		
	4-13 周波数特性 Typical Frequency Response Curve 全指向性			
				
	4-14 回路图 Test Circuit			
	 MIC CASE			
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5.	信赖性试验 Reliability Test			
	经过以下所有试验在 20℃的条件下放置 3 小时后,麦克风的灵敏度与试验前比较变化在 3dB 以内 After any following tests, the sensitivity of the microphone to be within ±3dB of initial sensitivity after 3hours of conditioning at 20℃			
	5-1 振动试验 Vibration	周波数 1/Frequency1:10Hz~55Hz 振幅/Amplitude:1.52mm 变化/Change of Frequency:1 octave/min 3 方向,各 2 小时/hours in each of 3 axes		
	5-2 高温试验 Dry Heat	+70℃ for 72 hours		
	5-3 低温试验 Dry Cold	-20℃ for 72 hours		
	5-4 高温高湿试验 Damp Heat	90%~95%RH, +40℃ for 240 hours		
	5-5 温度循环试验 Temperature cycles	-20℃ \longleftrightarrow 25℃ \longleftrightarrow 70℃ \longleftrightarrow -20℃ (2h) (1h) (2h) (1h) (2h) (2h) x 10 cycles		
	5-6 跌落试验 Packing drop test	Height:1m 顺序:三个面各跌 5 次 Procedure:5 times from each of 3 axes		
6.	备注 Note			
	6-1 动作温度范围 Operation Temperature	-40℃~75℃		
	6-2 保存温度范围 Storage Temperature	-40℃~75℃		
7.	焊接条件 Soldering Condition			
	7-1 焊接使用 30W~40W 的烙铁。 The soldering copper of a type of 30W~40W shall be applied			
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7.	焊接条件 Soldering Condition.						
	7-2 电烙铁表面温度 320±10℃ The temperature of the working surface of the soldering copper shall be 320±10℃						
	7-3 焊接时把麦克风嵌入散热能力强的金属块内。 ECM shall be soldered fixed on the metal block(heat sink)which has the higher radiation effects said heat sink Shall contact with of ECM.						
	7-4 焊接时间控制在 2~3 秒内。 time for each terminal shall be 2~3 sec.						
	7-5 焊接后不能出现针孔。 The pinhole after soldering shall be avoided.						
	7-6 静电容易破坏麦克风必须采取措施避免（电烙铁接地，戴静电环等。） ECM may easily destroyed by the static electricity and the countermeasure for eliminating the static electricity (the ground for soldering copper, for worktable and for human body) shall be executed.						
	7-7 放热板形状 Shape of heat sink <div></div>						
	7-8 固定部孔形状 Shape of hole at fixed part <div><div>unit:mm</div></div>						
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