# SPECIFICATION

Customer :

代傲



Applied To :

Product Name : Piezo Transducer

Model Name : KPT-G1713-K5000

Drawing No. : OEM5000R

Compliance with RoHS(本品符合ROHS指令)

Signature of Approval

#### Signature of KEPO

Sales@chinaacoustic.com

Approved by	Checked by	Issued by	Date	
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Specification for Transducer	Page	2/9
	Revision No.	1.0
Model No. : KPT-G1713-K5000	Drawing No.	OEM5000R
CONTENTS		
CONTENTS		
1. Scope		
范围		
2. General		
概要		
3. Maximum Rating		
额定极限条件		
4. Electrical Characteristics		
电性能		
5. Measuring Method		
测试方法		
6. Physical Characteristics		
机械性能		
7. Environmental Characteristics		
环境性能		
8. Dimensions		
尺寸 9. Packaging Standard		
包装标准		
已录你们世 10. Cautions		
警告		
11. Cautions for Use		
注意事项		
12. Revision		
履历表		

Specification for Transducer	Page	3/9	
	Revision No.	1.0	
Model No. : KPT-G1713-K5000	Drawing No.	OEM5000R	

#### 1. 范围 Scope

This product specification is applied to the piezoelectric sounder in alarm systems.Please contact us when using this product for any other applications than described in the above.

本规格书适用于压电式蜂鸣器,通常它用在系统中做报警或提示的蜂鸣器用,如果将该产品用于其它领域,请与我们取得联系。

#### 2. 概要 General

2.1 Out-Diameter : Ø17mm

外径: Ø17mm

2.2 Height : 7.5mm

- 高度: 9.5mm 2.3 Weight : 2 gr.
  - 重量: 2克
- 2.4 Case Material/Color : PBT/BLACK 壳体材质/颜色: PBT/黑色

#### 3. 额定极限条件 Maximum Rating

$\left[ \right]$	项目 Item	规格 Specification	
3.1	最高输入电压 Maximum input Voltage	25Vp-p Square Wave/max.	
3.2	工作温度范围 Operating Temperature Range	-20 ∼ +80 °C	
3.3	储存温度范围 Storage Temperature Range	-30 ∼ +100 ℃	



	Specificatio	on for Transducer	Page	5/9			
Model No. : KPT-G1713-K5000 Revision No.				1.0			
woue	INU KPT-G	OEM5000R					
6. 机械性能 Physical Characteristics							
	实验项目 Item	实验条件 Test Condition		实验后规格 Specification			
6.1	耐冲击性 Shock	Sounder shall be measured after being applied					
6.2	耐振动性 Vibration Resistant	Vibration vibration of amplitude of 1.5mm with 10 to55Hz band of		符合表1的要求			
6.3	耐焊接性 Soldering Heat Resistance	将声响器的插针插入 (插至距声 1.5mm处为止) +300±5℃的焊锁 或+260±5℃的焊锡槽10±1秒, 放置4小时后,测试声响器. Lead terminal are immersed up to 1. sounder's body in solder bath of +300± seconds or±260±5℃ for 10±1 secon sounder shall be measured after being condition for 4 hours.	易槽3±0.5秒 然后在常温中 5mm from 5℃ for 3±0.5 ds, and then	The measured value shall meet Table 1.			
6.4	可焊性 Solderability		插针表面90%以 上被焊锡润湿.(插 针的段面除外) 90% min. lead terminals shall be wet with solder. (Except the edge of terminal)				
6.5	插针强度 Terminal Strength Pulling	分别在每个插针的轴向施加9. 重10秒. The force 10 seconds of 9.8N is each terminal in axial direction.		插针没有断开和 可见的损伤 No visible damage and cutting off			

Specification for Transducer	Page	6/9	
· · · · · ·	Revision No.	1.0	
Model No. : KPT-G1713-K5000	Drawing No.	OEM5000R	

# 7. 环境性能 Environmental Characteristics

	实验项目 Item	实验 Test Co		实验后规格 Specification	
7.1	高温放置 Dry Heat Test (Storage)	后取出,在常温下放置 After being placed in a ch	C的烘箱内96小时,然 看4小时后,测试声响器。 namber with +100 ±2℃ for laced in natural condition for measured.	符合表1的要求 The measured value shall meet	
7.2	低温放置 Cold Test (Storage)	后取出,在常温下放置			
	耐湿性	放置于 90%~95% F 境试验箱内96小时, 置4小时后,测试声响	Table 1.		
7.3	Humidity	After being placed in a chamber with 90 to $95\%$ R.H. at $+40\pm2$ °C for 96 hours and then being placed in natural condition for 4 hours, sounder shall be measured.			
7.4	温度循环 Temperature Cycle	先放置于温度-30±2℃的试验箱内30分钟,然后放置 于室温(+20℃)15分钟后,放置于+100±2℃的试验箱内 30分钟,再放置于室温(+20℃)15分钟. 经过以上循环5次,在常温下放置4小时后,测试声响器 。 After being placed in a chamber at -30±2℃ for 30 minutes, sounder shall be placed at room temperature(+20℃).After 15 minutes at this temperature, sounder shall be placed in a chamber at +100±2℃. After 30 minutes at this temperature, sounder shall be returned to room temperature (+20℃) for 15 minutes. After 5 above cycles, sounder shall be measured after being placed in natural condition for 4 hours.			
		表 1 Tab	le 1		
	项 目 Item		试验后变 Specificatior		
声压级 Sound Pressure Level		初始值± Initial Value			

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Specification for Transducer	Page	8/9
	Revision No.	1.0
Model No. : KPT-G1713-K5000	Drawing No.	OEM5000R

#### 9. 包装标准 Packaging Standard

产品的外包装是纸箱,它应该清楚的标明型号,数量,出厂检验批号. 在运输及储存的过程中,产品必须不会受到机械损伤.

Each minimum package unit of products shall be in a carton box and it shall be clearly marked with Part Number, quantity and outgoing inspection number.

There shall be no mechanical damage on products during transportation and/or in storage.

### 10. 警告 Cautions

如果产品使用于下列高可靠性的装置时,请与我们取得联系,以免对人的生命,财产和身体造成损害.

Please contact us before using our products for the undermentioned applications requiring especially high reliability in order to prevent defects which might directly cause damage to other party'slife, body or property(listed below).

(1)Aircraft equipment 飞行设备

(2)Aerospace equipment 航天设备

(3)Undersea equipment 潜水设备

(4)Medical equipment 医疗设备

(5)Transportation equipment (automobiles,trains,ships) 交通设施

(6)Traffic signal equipment 交通信号设备

(7)Disaster prevention/crime prevention equipment 防灾害/防犯罪设备

(8)Data-processing equipment 数据处理设备

(9)Applications of similar complexity or reliability requirements comparable to the applications listed in the above 以及与上述相类似或可靠性要求更高的设备

## 11 注意事项 Cautions for Use

11.1 如果产品所承受的机械应力超过规定的值,元件可能被破坏.

The component may be damaged if mechanical stress over this specification is applied.

11.2 请注意保护工作电路不会因失误,跌落和温度变化而产生浪涌电压.

Please pay attention to protect operating circuit from surge voltage provided by something of force such as failing ,shock and temperature changing.

11.3 请注意永远不要给压电声响器施加直流电压.

Please pay attention never to be applied DC voltage to piezo sounder.

11.4 该声响器不适合洗涤,因为它不密封.

Washing of the component is not acceptable. Because it is not sealded.

11.5 在使用烙铁的情况下,应注意烙铁头的温度应该保持在+350℃以下,并且焊接时间 控制在3秒内.

In case of using solder iron for soldering, the top of soldering iron's temperature should be kept less than +350  $\,^\circ\!C$ .Moreover the soldering time should be also kept with in 3seconds.

	Spec	cificatio	n for Transducer	Page	9/9	
Model No. : KPT-G1713-K5000		Revision No.	1.0			
				Drawing No.	OEM500	00R
11	. Revisio	on				
Rev. No.	DATE	PAGE	DESCRIP	ΓΙΟΝ		SIGN
1.0	2009.07.21	/	primar	y		