Купить данную позицию можно на сайте: https://kvarci.ru/

SPECIFICATION	Page	2 / 8
	Revision No.	1.1
Model No. : KPI-G3131LC-10017	Drawing No.	OEM10017R

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
10. Cautions
    警告
11. Cautions for Use
    注意事项

Rev.	DATE	PAGE	DESCRIPTION	SIGN
1.1	2017.7.8	7	外形图错误修改	
1.0	2012.12.18		primary	

Revision 履历表

Для заказа отправьте заявку на почту: mail@kvarci.ru

Купить данную позицию можно на сайте: https://kvarci.ru/

SPECIFICATION	Page	3 / 8
	Revision No.	1.1
Model No. : KPI-G3131LC-10017	Drawing No.	OEM10017R

1. Scope 范围

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. General 概要

2.1 Out-Diameter 外径……Ø30.7mm
2.2 Height 高度……14mm
2.3 Weight 重量……10g
2.4 Case Material/Color 壳体材质/颜色……PC/Black

3. Maximum Rating 额定极限条件

	Item 项目	Specification 规格
3.1	Maximum Input Voltage 最大输入电压	3~20VDC
3.2	Operating Temperature Range 工作温度范围	-20 ～ +85℃
3.3	Storage Temperature Range 储藏温度范围	-30 ～ +95℃

4. Electrical Characteristics 电性能

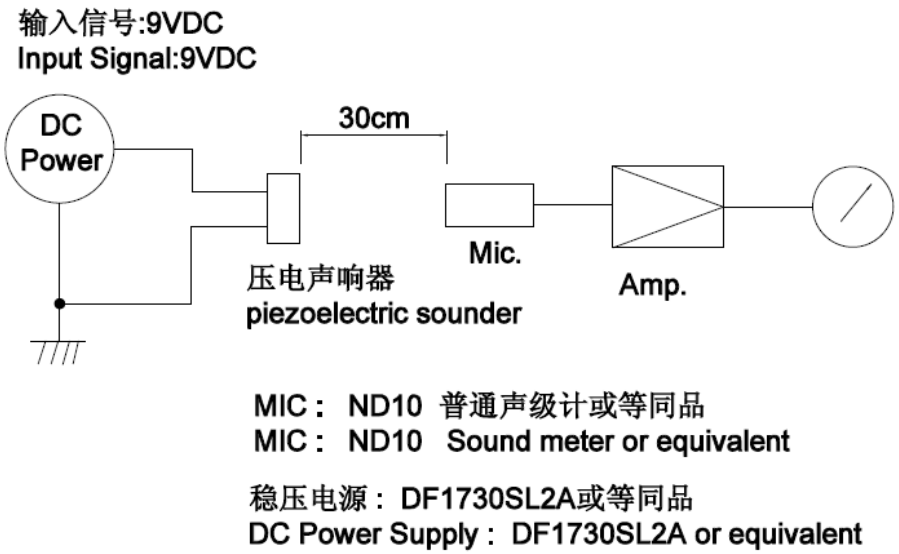
	Item 项目	Specification 规格
4.1	Sound Pressure Level 声压	≥97dB at 9VDC/30CM
4.2	Resonant Frequency 频率	3.5±0.5KHz
4.3	Max .Rated Current 额定电流	≤8mA at 12VDC
4.4	Tone Nature 音调	Continuous

Для заказа отправьте заявку на почту: mail@kvarci.ru

Купить данную позицию можно на сайте: https://kvarci.ru/

5. Measuring Method 测试方法

5.1 S.P.L. Measuring Circuit 声压测试线路



Input Signal 输入信号: 9VDC
Test distance 测试距离: 30cm

5.2 Measuring Condition 测试环境

Part shall be measured under a condition (Temperature :+5 to +35℃,Humidity :45 to 85%R.H.)unless the standard condition (Temperature :+25±3℃,Humidity :60±10%R.H.) is regulated measure.

温度+25±3℃，湿度 60±10%R.H.标准测试状态,在没有疑问的场合,可以在温度+5～+35℃,湿度45～85%R.H.的范围内测试.

Для заказа отправьте заявку на почту: mail@kvarci.ru

Купить данную позицию можно на сайте: https://kvarci.ru/

6. Physical Characteristics 机械性能

	Item 实验项目	Test Condition 实验条件	Specification 实验后规格
6.1	Shock 耐冲击性	Sounder shall be measured after being applied shock(490m/s² ;) for each three mutually perpendicular directions to each of 3 times by half sine wave. 峰值加速度 490m/s² ;, 半正弦波,XYZ 三个方向各 3 次冲击实验后,测试声响器.	The measured value shall meet Table 1. 测试数据符合表 1.
6.2	Vibration Resistant 耐振动性	Sounder shall be measured after being applied vibration of amplitude of 1.5mm with 10 to55Hz band of vibration frequency to each of 3 perpendicular directions for 2 hours. 振动频率 10～55 Hz,1.5mm 全振幅,XYZ 三个方向各 2 小时试验后,测试声响器.	
6.3	Dropping 跌 落	Dropped from 75cm high to linen with 2 times. 75cm 高度/2 回自然落到亚麻布垫上.	

Для заказа отправьте заявку на почту: mail@kvarci.ru

Купить данную позицию можно на сайте: https://kvarci.ru/

7. Environmental Characteristics 环境性能

	Item 实验项目	Test Condition 实验条件	Specification 实验后规格
7.1	Dry Heat Test (Storage) 高温放置	After being placed in a chamber with +95±2℃ for 240 hours and then being placed in natural condition for 4 hours, diaphragm shall be measured. 在+95±2° C 的条件下放置 240 小时，再在常温下放置 4 小时，测试其数据.	The measured value shall meet Table 1. 测试数据符合表 1
7.2	Cold Test (Storage) 低温放置	After being placed in a chamber with -30±2℃ for240 hours and then being placed in natural condition for 4 hours, diaphragm shall be measured. 在-30±2° C 的条件下放置 240 小时，再在常温下放置 4 小时，测试其数据.	
7.3	Humidity 耐湿性	After being placed in a chamber with 90 to 95%R.H. at +40±2℃ for 240 hours and then being placed in natural condition for 4 hours, diaphragm shall be measured. 在湿度为 90~95%R.H，温度为+60±2° C 的条件下放置 240 小时，再在常温下放置 4 小时，测试其数据.	
7.4	Temperature Cycle 温度循环	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 +95±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. 先放置于温度-30±2℃的制冷箱内 30 分钟，然后放置于室温(+20℃)15 分钟后，放置于+95±2℃的烘箱内 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。	

Table 1. 表 1

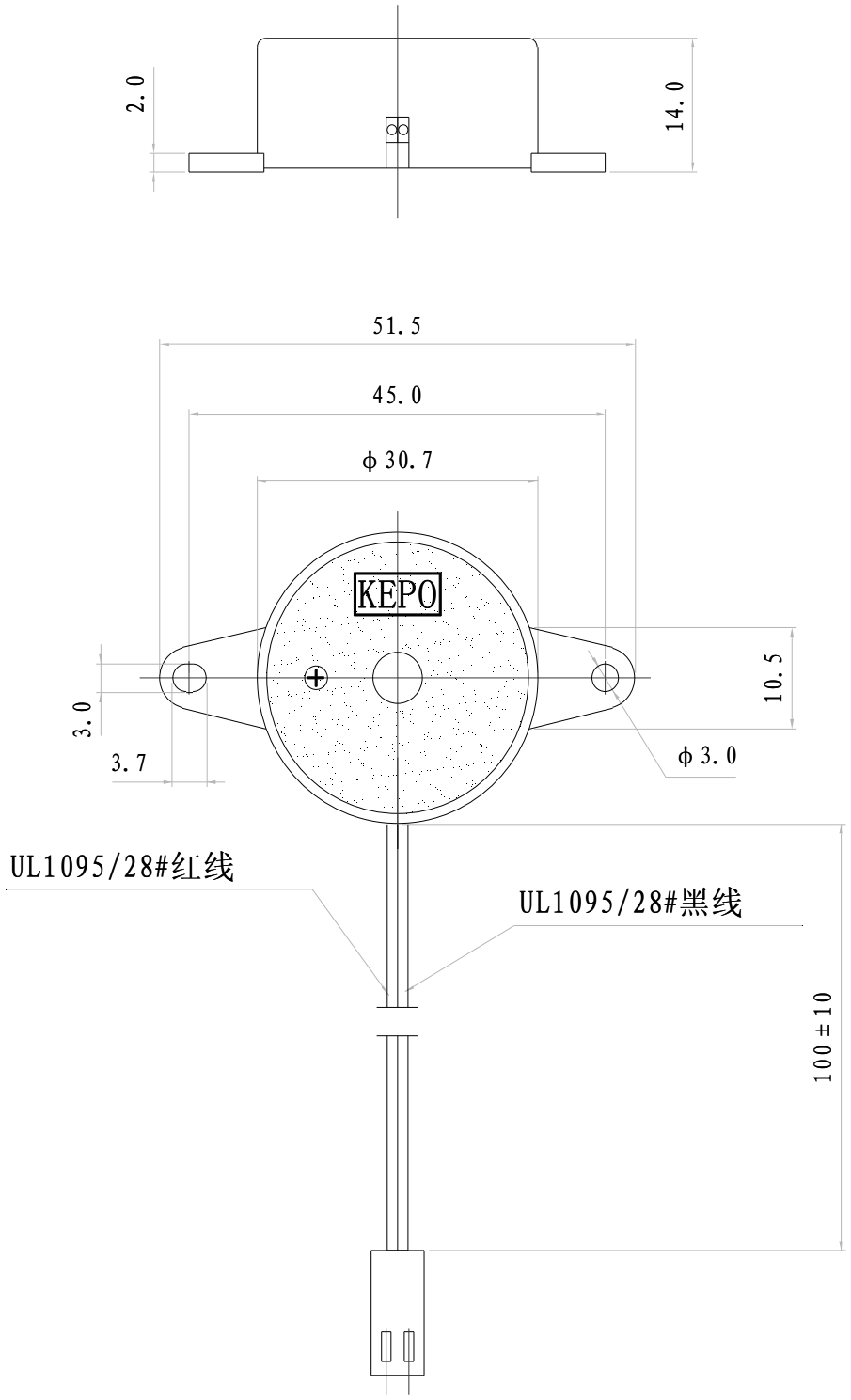
	Item 项目	Specification after test 试验后变化量
1	Sound Pressure Level 声压	Initial Value ±10dB 初始值±10dB

Для заказа отправьте заявку на почту: mail@kvarci.ru

Купить данную позицию можно на сайте: https://kvarci.ru/

SPECIFICATION	Page	7 / 8
	Revision No.	1.1
Model No. : KPI-G3131LC-10017	Drawing No.	OEM10017R

8. Dimensions 尺寸



FIRST ANGLE PROJECTION ; Tolerance: ±0.5 UNIT: mm

Для заказа отправьте заявку на почту: mail@kvarci.ru

Купить данную позицию можно на сайте: https://kvarci.ru/

. Packaging Standard 包装标准

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.

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.

10. Cautions 警告

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

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.

⑴Aircraft equipment 飞行设备

⑵Aerospace equipment 航天设备

⑶Undersea equipment 潜水设备

⑷Medical equipment 医疗设备

⑸Transportation equipment (automobiles, trains ,ships) 交通设施

⑹Traffic signal equipment 交通信号设备

⑺Disaster prevention/crime prevention equipment 防灾害/防犯罪设备

⑻Data-processing equipment 数据处理设备

⑼Applications 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. Cautions for Use 注意事项

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

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.

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

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.

11.3 In case of using solder iron for soldering, the top of soldering iron's temperature should be kept less than +350℃.Moreover the soldering time should be also kept within 3seconds.

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.

11.4 Washing of the component is not acceptable. Because of not sealed.

该声响器不适合洗涤,因为它不密封.

11.5 In case of using solder iron for soldering, the top of soldering iron's temperature should be kept less than +350℃.Moreover the soldering time should be also kept within 3seconds.

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.

Для заказа отправьте заявку на почту: mail@kvarci.ru