

Specification for Buzzer		Page	2/10
Model No. : 8345A组件		Revision No.	1.1
		Drawing No.	OEM8836R

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
包装
10. Cautions
警告
11. Cautions for Use
注意事项
12. Revision
履历表

Specification for Buzzer		Page	3/10
		Revision No.	1.1
Model No. :	8345A组件	Drawing No.	OEM8836R

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，请与我们联系。

2. 概要 General

2.1 Out-SIZE : 62 × 75 mm

长X宽: 62 × 75 mm

2.2 Height : 30.5mm

高度: 30.5 mm

2.3 Weight : 38± 5 gr.

重量: 38± 5克

3. 额定极限条件 Maximum Rating

	项目 Item	规格 Specification
3.1	最高输入电压 Maximum input Voltage	30Vp-p Square Wave /max.
3.2	工作温度范围 Operating Temperature Range	-40 ~ +90 °C
3.3	储存温度范围 Storage Temperature Range	-40 ~ +105 °C

Specification for Buzzer		Page	4/10
		Revision No.	1.1
Model No. : 8345A组件		Drawing No.	OEM8836R

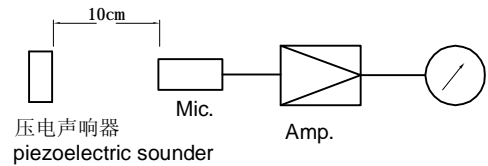
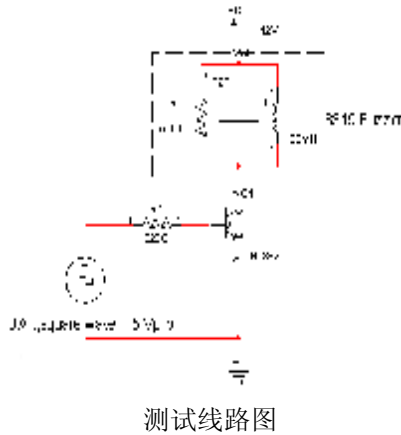
4. 电性能 Electrical Characteristics

项目 Item	规格 Specification
4.1 最小声压 Min. Sound Pressure Level	$\geq 100\text{dB}$ at 12V /3.8KHz/10cm

测试条件参见下项
Refer to next item for measuring method.

5. 测试方法 Measuring Method

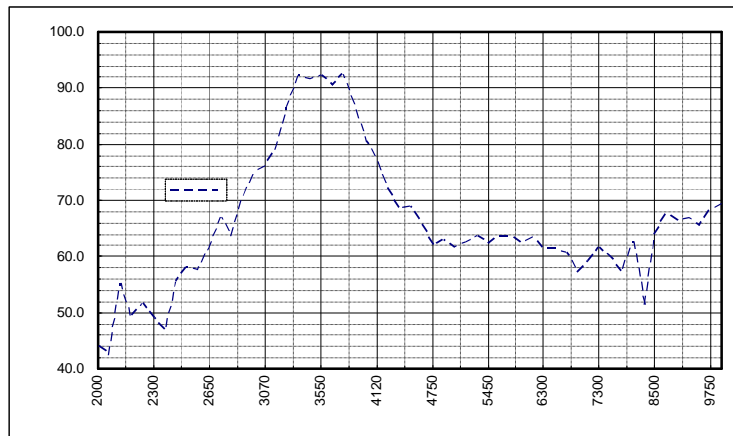
5.1 声压测试 S.P.L. Measuring



MIC : ND10 普通声级计或等同品
MIC : ND10 S.P.L. or equivalent

S.G. : DF1010 振荡器或等同品
S.G. : DF1010 Oscillator or equivalent

声压参考曲线 SPL Reference Curve



测试条件: 4 Vrms sine wave /30cm
测试仪器: B&K

5.2 测试环境 Measuring Condition

温度 $+25\pm 3^\circ\text{C}$, 湿度 $60\pm 10\%\text{R.H.}$ 标准测试状态,在没有疑问的场合,可以在温度 $+5\sim +35^\circ\text{C}$,湿度 $45\sim 85\%\text{R.H.}$ 的范围内测试.

Part shall be measured under a condition (Temperature : $+5$ to $+35^\circ\text{C}$, Humidity :45 to 85%R.H.) unless the standard condition (Temperature : $+25 \pm 3^\circ\text{C}$, Humidity :60 \pm 10 %R.H.) is regulated measure.

Specification for Buzzer		Page	5/10
		Revision No.	1.1
Model No. :	8345A组件	Drawing No.	OEM8836R

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	振动试验 (Random vibration)	ISO 16750-3, Sec. 4.1.2.4.2 振动频率: 10Hz~1000Hz 振动功率谱均方根值: 2.84G 振动方向: 安装方向X、Y、Z 三轴 振动时间: 每轴向8h (共24h)	符合表1的要求 The measured value shall meet Table 1.
6.2	机械冲击试验 (100G) Mechanical shock 100g	IEC 60068-2-27 冲击加速度: 100G 冲击波形: 半正弦 单次冲击持续时间: 11ms 冲击方向: 安装方向±X、±Y、±Z 六个方向 冲击次数: 六个方向各3次, 共18次	
6.3	自由落体试验 Drop test	ISO 16750-3: Sec. 4.3 跌落高度: 1m 跌落表面: 混凝土 跌落方向: ±X、±Y、±Z 六个方向 跌落次数: 每方向一次 DUT 的运行状态为0.0	

Specification for Buzzer		Page	6/10
		Revision No.	1.1
Model No. :	8345A组件	Drawing No.	OEM8836R

7. 环境性能 Environmental Characteristics

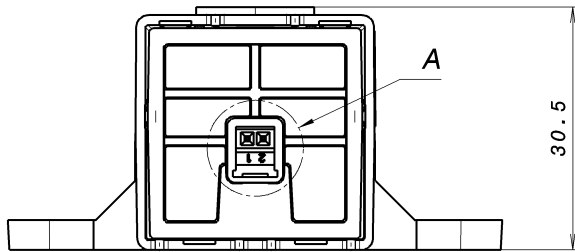
	实验项目 Item	实验条件 Test Condition	实验后规格 Specification
7.1	High Temperature Test 高温试验	<p>After being woked in a chamber with $+90\pm 2\text{ }^{\circ}\text{C}$ for 96h and then being placed in natural condition for 2h, sounder shall be measured.</p> <p>将产品置于 $+90\pm 2\text{ }^{\circ}\text{C}$ 试验箱中, 先工作96小时, 然后在正常大气压条件下恢复2小时后, 进行测量</p>	<p>符合表1的要求</p> <p>The measured value shall meet Table 1.</p>
7.2	Low Temperature Test 低温试验	<p>After being woked in a chamber with $-40\pm 2\text{ }^{\circ}\text{C}$ for 96h and then being placed in natural condition for 2h, sounder shall be measured.</p> <p>将产品置于 $-40\pm 2\text{ }^{\circ}\text{C}$ 试验箱中, 先工作96小时, 然后在正常大气压条件下恢复2小时后, 进行测量</p>	
7.3	耐湿性 Humidity	<p>放置于 90%~95% R.H., 温度$+40\pm 2\text{ }^{\circ}\text{C}$ 的环境试验箱内96小时, 然后取出, 在常温下放置2小时后, 测试声响器。</p> <p>After being placed in a chamber with 90 to 95 %R.H. at $+40\pm 2\text{ }^{\circ}\text{C}$ for 96 hours and then being placed in natural condition for 2hours, sounder shall be measured.</p>	
7.4	温度循环 Temperature Cycle	<p>先放置于温度 $-40\pm 2\text{ }^{\circ}\text{C}$ 的制冷箱内30分钟, 然后放置于室温($+20\text{ }^{\circ}\text{C}$)15分钟后, 放置于$+90\pm 2\text{ }^{\circ}\text{C}$ 的烘箱内30分钟, 再放置于室温($+20\text{ }^{\circ}\text{C}$)15分钟。</p> <p>经过以上循环5次, 在常温下放置2小时后, 测试声响器。</p> <p>After being placed in a chamber at $-40\pm 2\text{ }^{\circ}\text{C}$ for 30 minutes, sounder shall be placed at room temperature($+20\text{ }^{\circ}\text{C}$). After 15 minutes at this temperature, sounder shall be placed in a chamber at $+90\pm 2\text{ }^{\circ}\text{C}$. After 30 minutes at this temperature, sounder shall be returned to room temperature ($+20\text{ }^{\circ}\text{C}$) for 15 minutes.</p> <p>After 5 above cycles, sounder shall be measured after being placed in natural condition for 2 hours.</p>	

表 1 Table 1

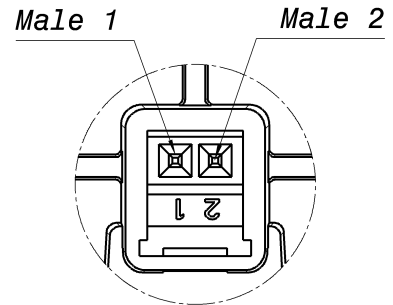
项 目 Item	试验后变化量 Specification after test
声压级 Sound Pressure Level	初始值 $\pm 10\text{dB}$ Initial Value $\pm 10\text{dB}$

Specification for Buzzer		Page	7/10
		Revision No.	1.1
Model No. : 8345A组件	Drawing No.		OEM8836R

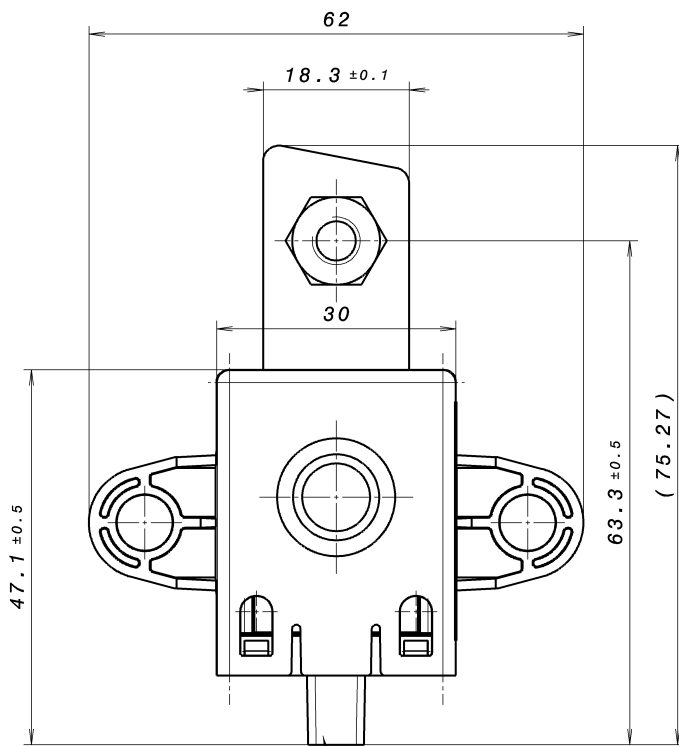
8. Dimensions



Bottom View

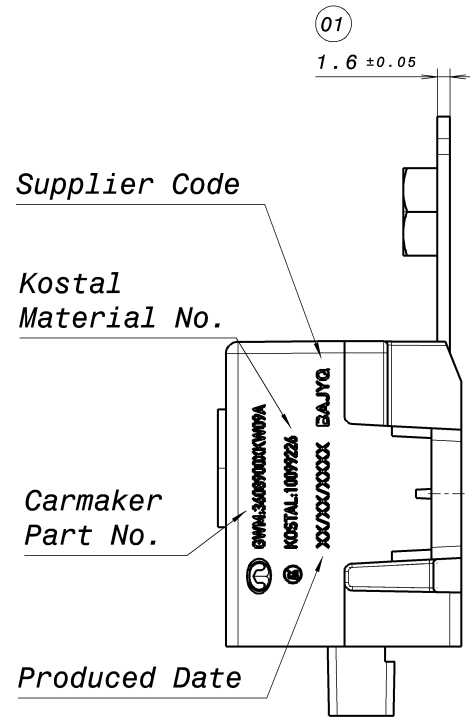


Detail View A
Scale: 5:1



Front View

Referenced Connector: JST B02B-JWPF-SK-R
Connector for harness: JST 02R-JWPF-VSLE-S



Right View

Supplier Code

Kostal
Material No.

Carmaker
Part No.

Produced Date

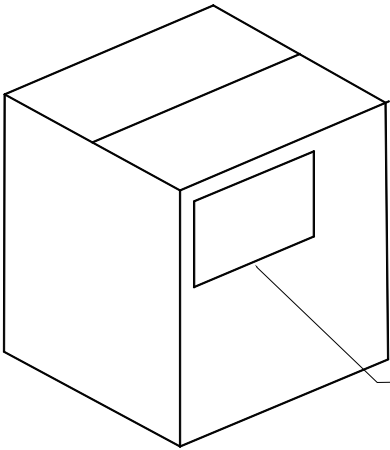
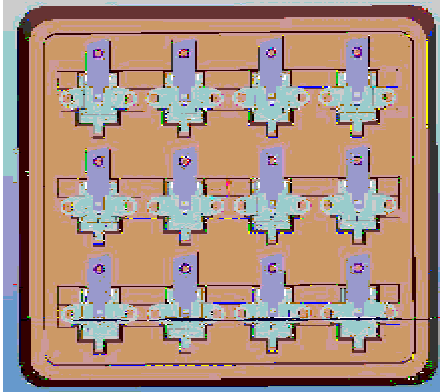
FIRST ANGLE PROJECTION



UNIT : mm
Tolerance : ±0.5

Specification for Buzzer	Page	8/10
	Revision No.	1.1
Model No. : 8345A组件	Drawing No.	OEM8836R

9. 包装 Packing



外箱条形码标贴
左上角对齐

QTY: 108Pcs
SIZE:338 x308 x320mm

FIRST ANGLE PROJECTION

UNIT : mm
Tolerance : ±0.5

Specification for Buzzer		Page	9/10
Model No. :	8345A组件	Revision No.	1.1
		Drawing No.	OEM8836R

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's life, 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

10.0 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.

Specification for Buzzer		Page	10/10
		Revision No.	1.1
Model No. : 8345A组件		Drawing No.	
		OEM8836R	

12. Revision

Rev. No.	DATE	PAGE	DESCRIPTION	SIGN
1.0	2012. 11. 07	/	primary	
1.1	201309. 10	/	增加条形码标贴	