

# SPECIFICATION FOR APPROVAL



DESCRIPTION : SMD BUZZER  
PART NO. : KLJ-9032A-0527R25  
USER' S PART NO. :  
DATE : 2009. 03. 18  
CUSTOMER APPROVED :

Approved By	Checked By	Made By

勝特力材料 886-3-5753170  
勝特力电子(上海) 86-21-34970699  
勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

# KLJ-9032A-0527R25

DATE:2009.03.18

## 1 . Electrical Characteristics

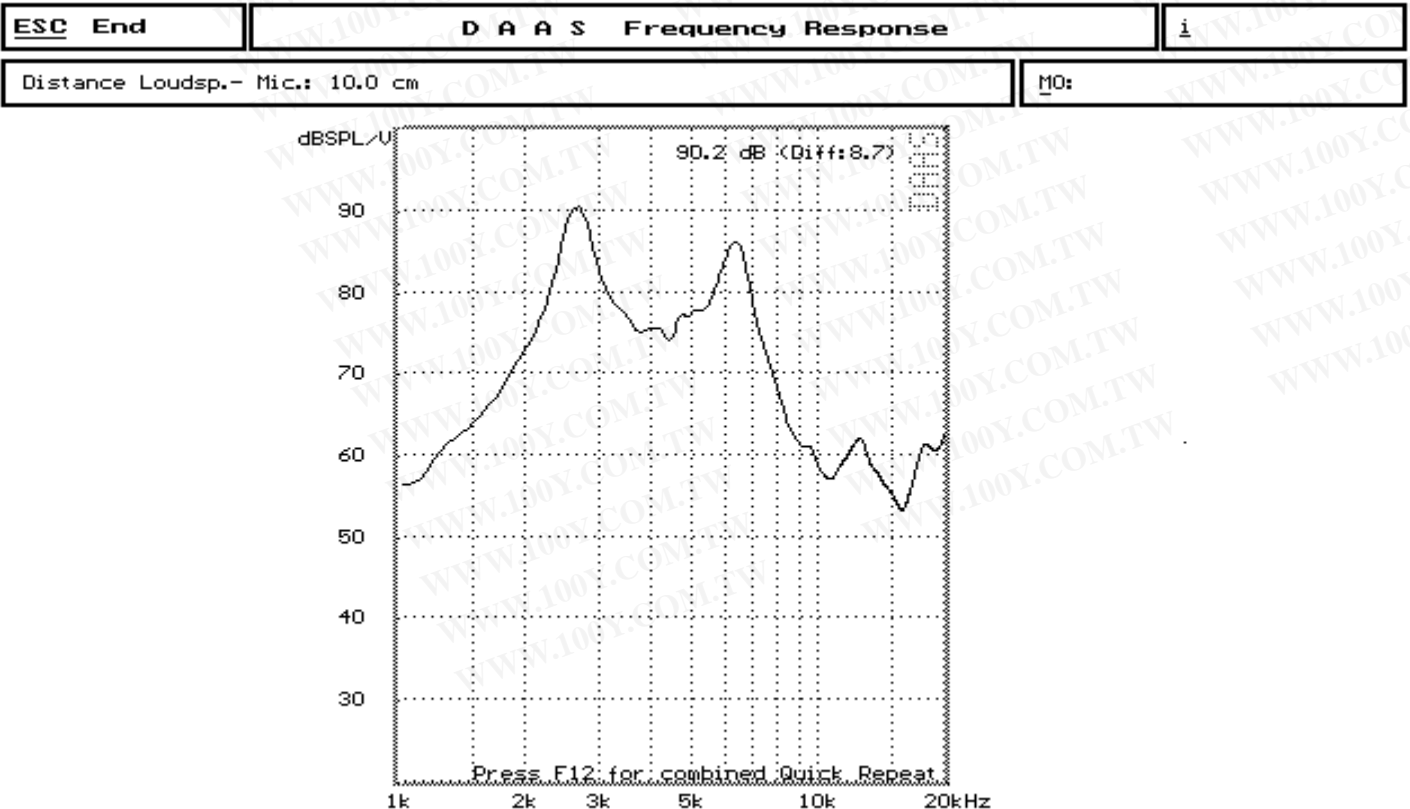
VER.:0

Oscillation Frequency (Hz)	2731
Operating Voltage (Vp-p)	4~6
Rated Voltage (Vp-p)	5
Current Consumption (mA/max.)	100 at Rated Voltage
Sound Pressure Level (dB/min.)	88 at 10cm at Rated Voltage
Coil Resistance (Ω)	25± 4
Operating Temperature (°C)	-30 ~ +70
Storage Temperature (°C)	-40 ~ +85

PS : Vp-p=1/2duty , square wave

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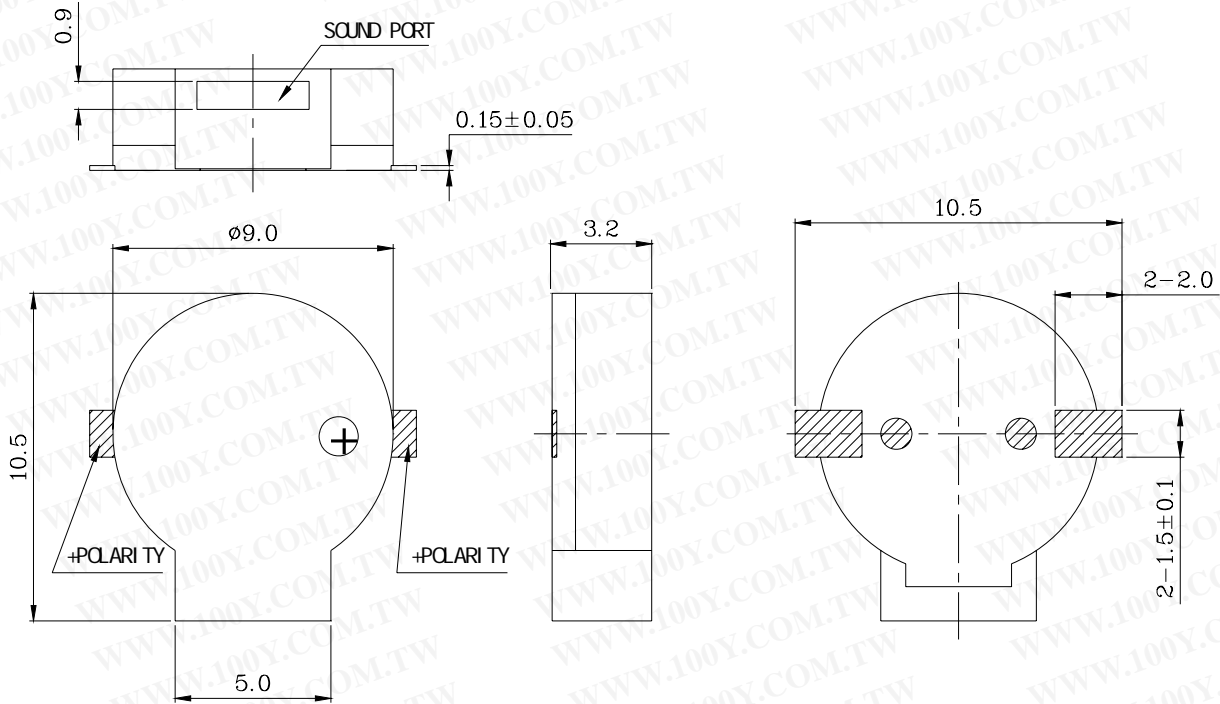
## 2 . Typical Frequency Response Curve



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### 3 . Dimensions and Material

#### 3-1 Shape

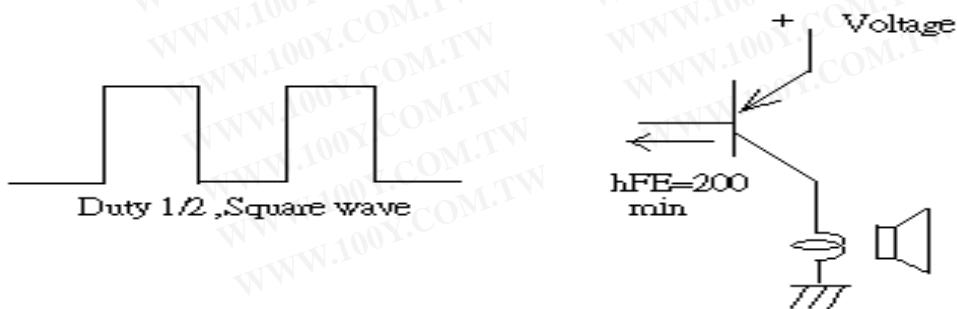


Unit : mm Tol:  $\pm 0.3$

#### 3-2 Material

Housing	LCP plastic resin (Color : Black)
Leading Pin	Tin Plated Brass
Weight (Gram)	0.8

### 4 . Recommend Driving Circuit



The base current  $I_b$  should be high enough so that it saturates the collector current of the transistor with the CB load.

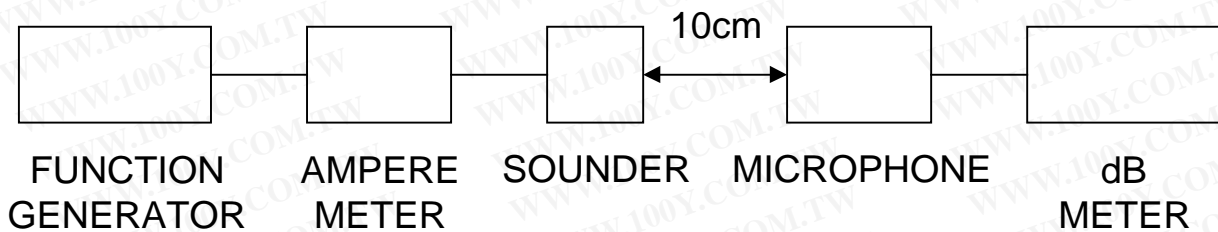
## 5. TESTING METHOD

### • Standard Measurement conditions

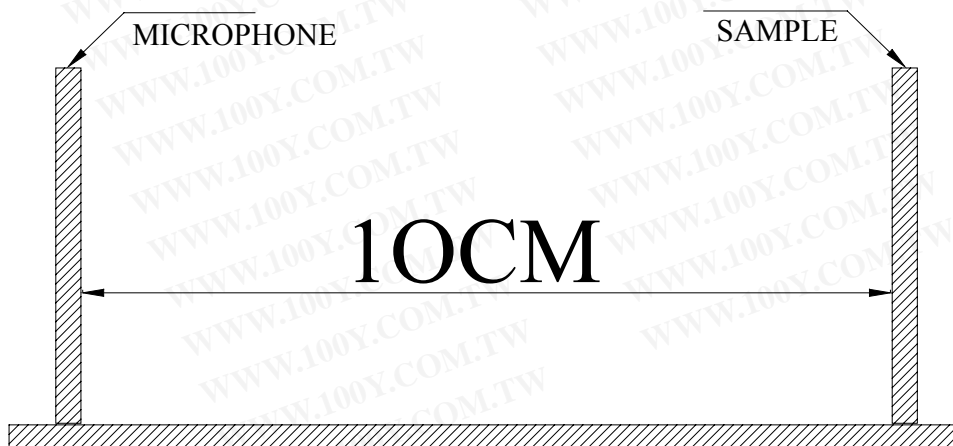
Temperature:  $25 \pm 2^\circ\text{C}$  Humidity: 45-60%

### • Acoustic Characteristics

The oscillation frequency, current consumption and sound pressure are measured by the measuring instruments shown below.



In the measuring test, buzzers is placed as follows:



## 6. RELIABILITY

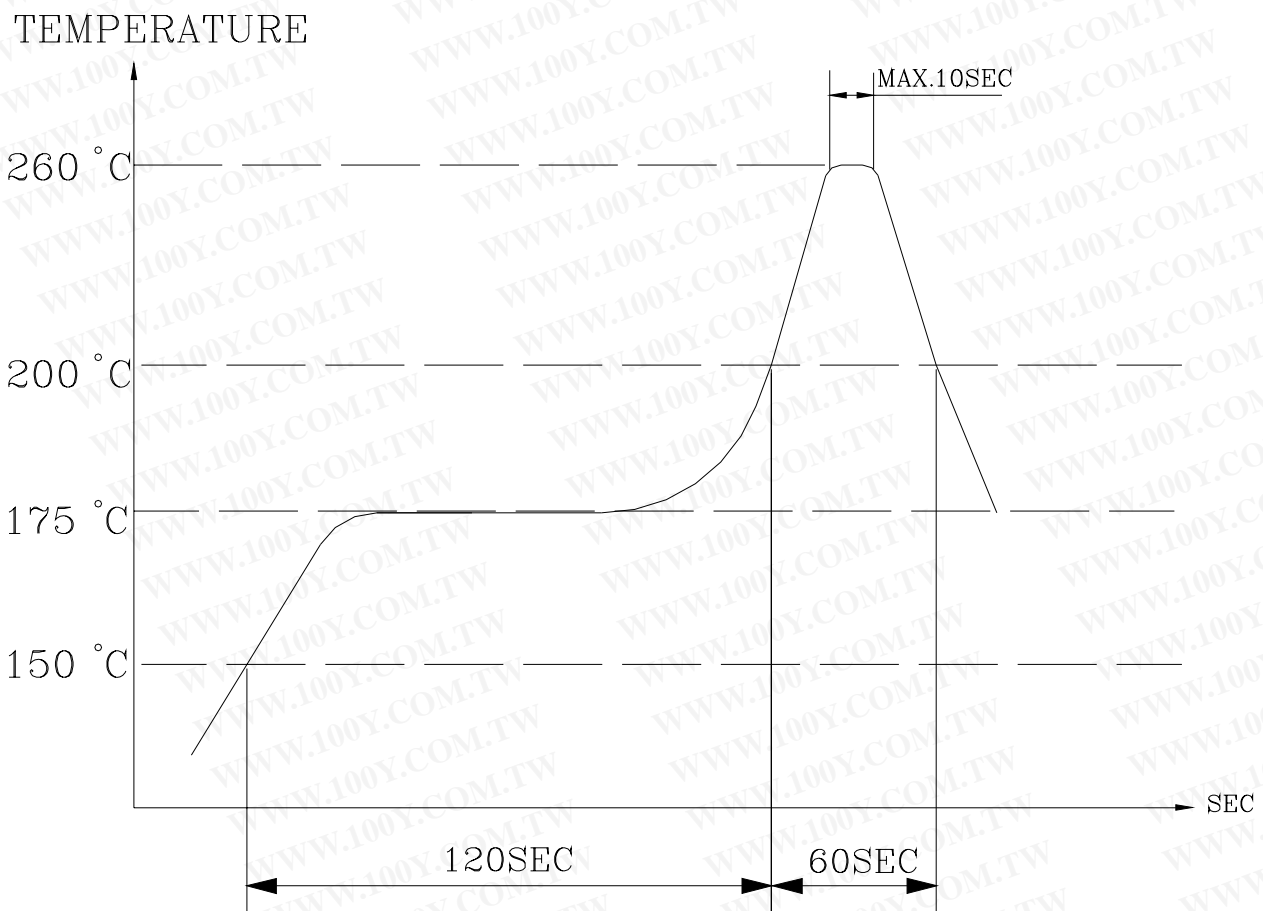
<b>ITEMS</b>	<b>METHOD OF TEST AND MEASUREMENTS</b>	<b>PERFORMANCE</b>
<i>Coldness withstanding</i>	<i>After 98 hours of being exposed to -30 °C environment, should be returned to normal environment for 2 hours, then re-proceed to test.</i>	<i>No abnormality shall exist</i>
<i>Hotness withstanding</i>	<i>After 98 hours of being exposed to +80 °C environment, should be returned to normal environment for 2 hours, then re-proceed to test.</i>	<i>No abnormality shall exist</i>
<i>Humidity withstanding</i>	<i>After 98 hours of being exposed to 40 °C 95%RH environment in actual operation, should be returned to normal environment for 2 hours, then re-proceed to test.</i>	<i>No abnormality shall exist</i>
<i>Durability</i>	<i>Testing after 1,000 hours actual continuous operation. (at standard measurement conditions)</i>	<i>No abnormality shall exist</i>
<i>Drop withstanding</i>	<i>A natural drop from 75cm high down to the ground.</i>	<i>No abnormality shall exist</i>
<i>Vibration withstanding</i>	<i>Vibration of 2,000 cycles per minute, 2mm amplitude, applied in X, Y and Z directions for 30 minutes each.</i>	<i>No abnormality shall exist</i>

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## 7. Sol der i ng Con di ti on

(1) Re comm endabl e re fl ow sol der i ng con di ti on i s a s fol low s  
(Re fl ow sol der i ng i s tw i ce)

Note: It is requested that reflow soldering should be executed after heat of product goes down to normal.



Heat resistant line

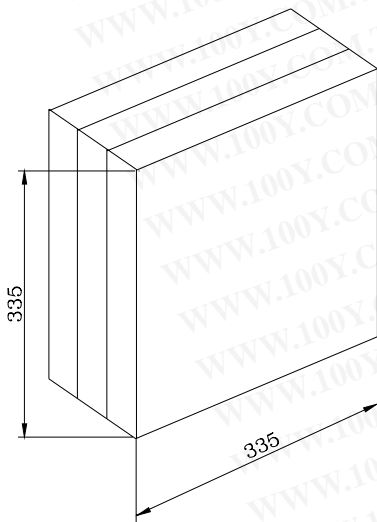
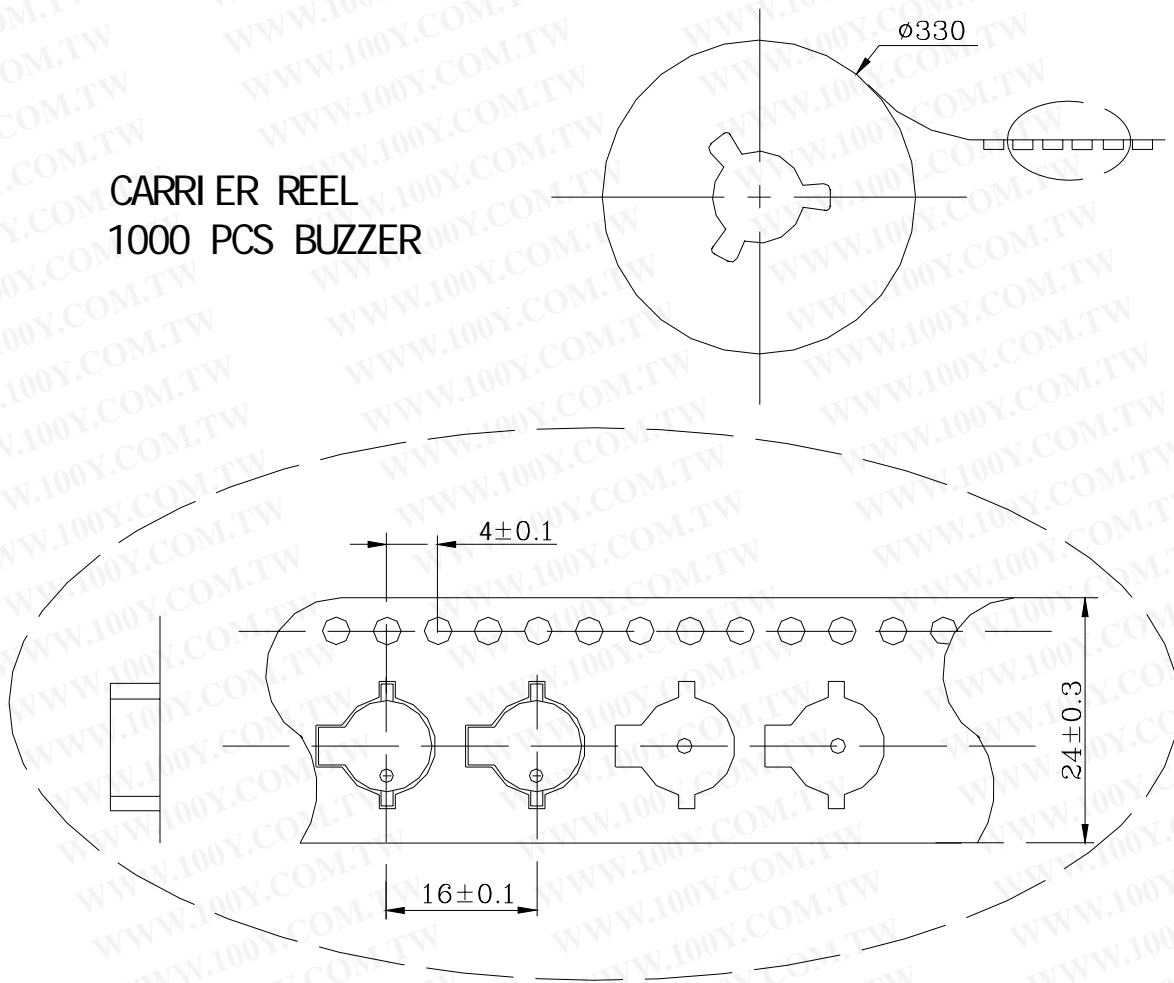
(Used when heat resistant reliability test is performed)

(2) Manual sol der i ng

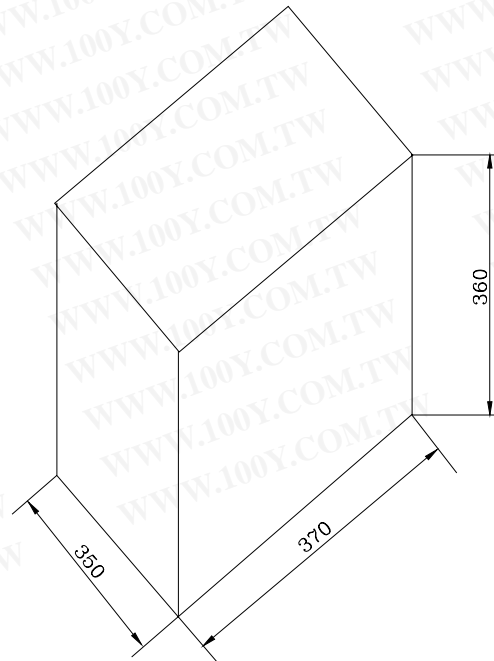
Manual sol der i ng temperat ure 350°C wi th i n 10 sec.

### 8. PACKAGE METHOD

CARRIER REEL  
 1000 PCS BUZZER



INNER BOX  
 1 ROLL CARRIER REEL



CARTON BOX  
 10 INNER BOX  
 10K PCS BUZZER

Unit : mm