

# SPECIFICATION FOR APPROVAL



DESCRIPTION : SMD BUZZER  
PART NO. : KLJ-9025-3627  
USER' S PART NO. :  
DATE : 2009. 03. 26  
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-9025-3627

DATE:2009.03.26

## 1 . Electrical Characteristics

VER .:0

Oscillation Frequency (Hz)	2700
Operating Voltage (Vp-p)	2.5 ~4.5
Rated Voltage (Vp-p)	3.6
Current Consumption (mA/max.)	100 at Rated Voltage
Sound Pressure Level (dB/min.)	85 at 10cm at Rated Voltage
Coil Resistance ( $\Omega$ )	$16 \pm 3$
Operating Temperature ( $^{\circ}\text{C}$ )	$-30 \sim +70$
Storage Temperature ( $^{\circ}\text{C}$ )	$-40 \sim +85$

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

## 2 . Typical Frequency Response Curve

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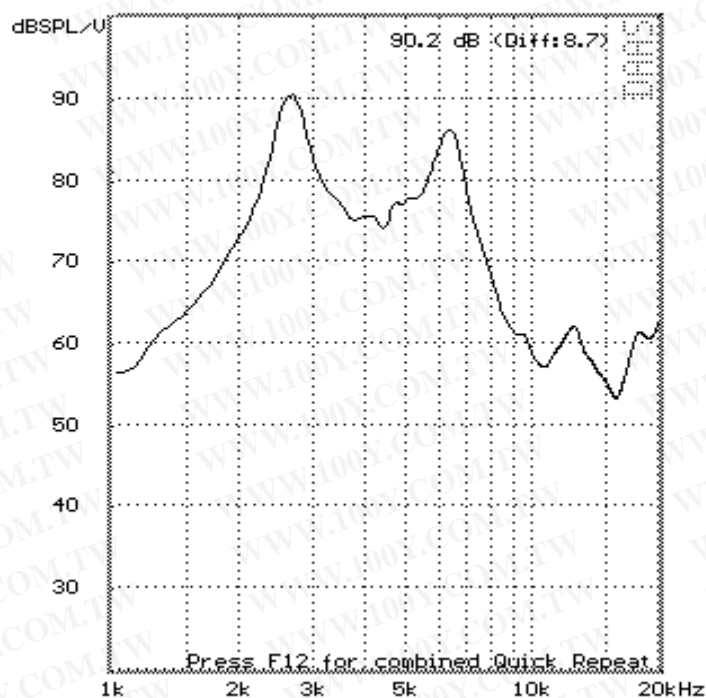
ESC End

D A S Frequency Response

1

Distance Loudsp.- Mic.: 10.0 cm

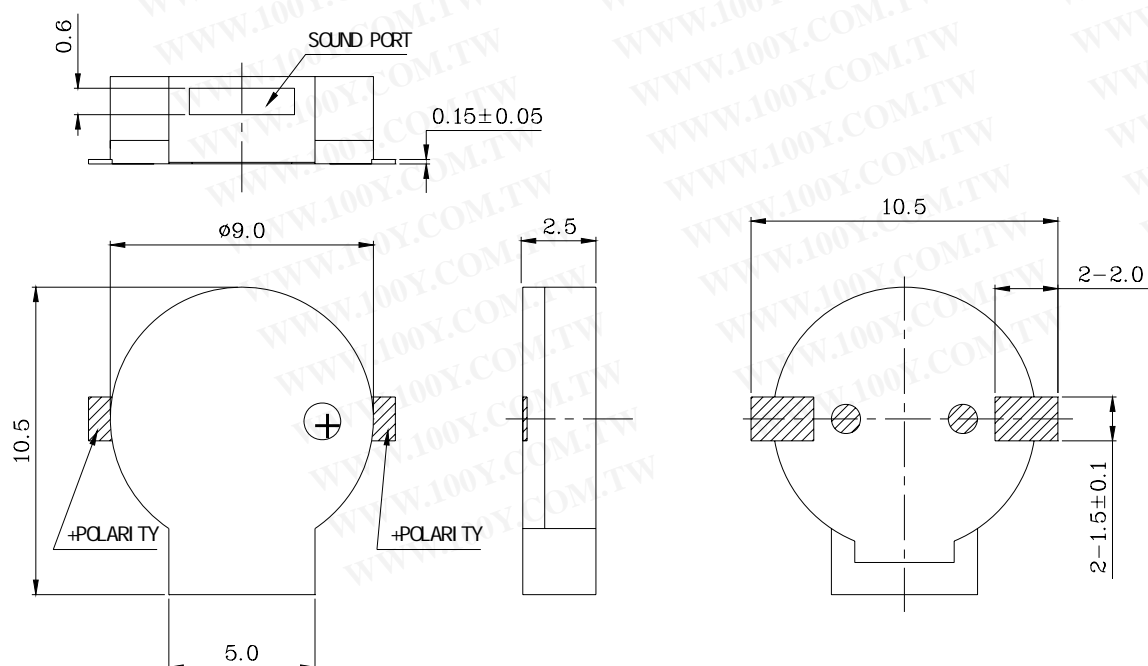
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### 3 . Dimensions and Material

#### 3-1 Shape

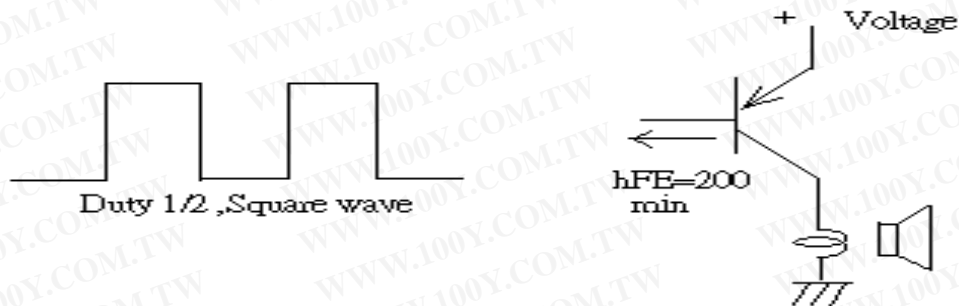


Unit : mm Tol:  $\pm 0.3$

### 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 high enough so that it saturates the collector current of the transistor with the CB load.

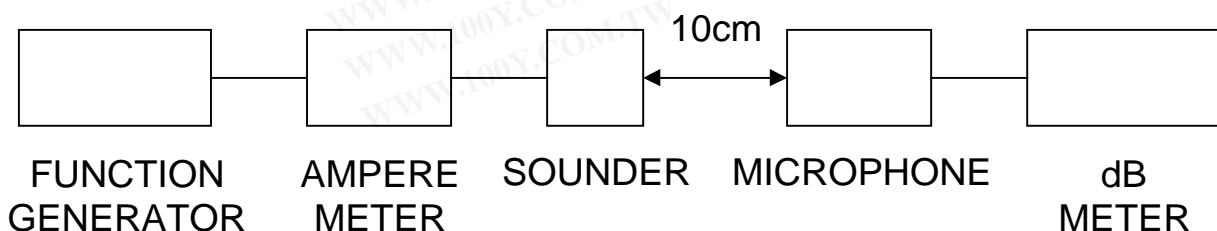
### 5. TESTING METHOD

#### · Standard Measurement conditions

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

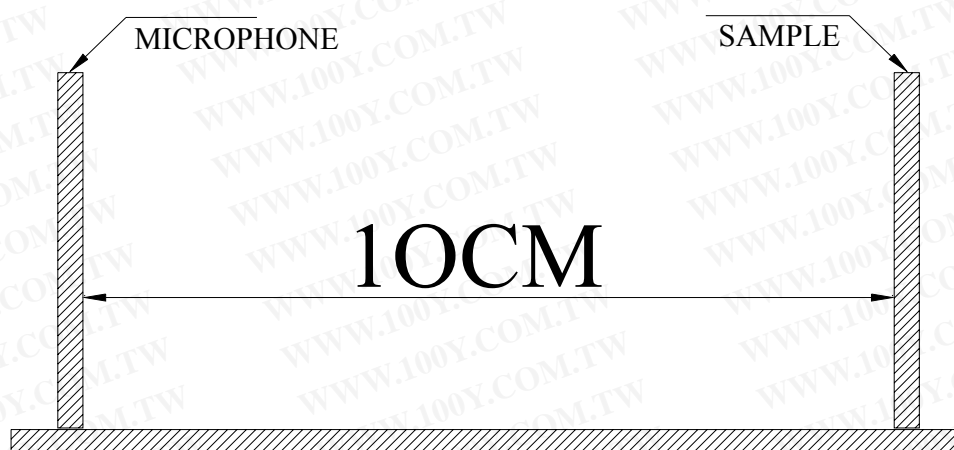
#### · Acoustic Characteristics

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



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*In the measuring test, buzzers is placed as follows:*



## 6. RELIABILITY

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ITEMS	METHOD OF TEST AND MEASUREMENTS	PERFORMANCE
Coldness withstanding	After 98 hours of being exposed to $-30^{\circ}\text{C}$ environment, should be returned to normal environment for 2 hours, then re-proceed to test.	No abnormality shall exist
Hotness withstanding	After 98 hours of being exposed to $+80^{\circ}\text{C}$ environment, should be returned to normal environment for 2 hours, then re-proceed to test.	No abnormality shall exist
Humidity	After 98 hours of being exposed to $40^{\circ}\text{C}$ 95%RH	No abnormality



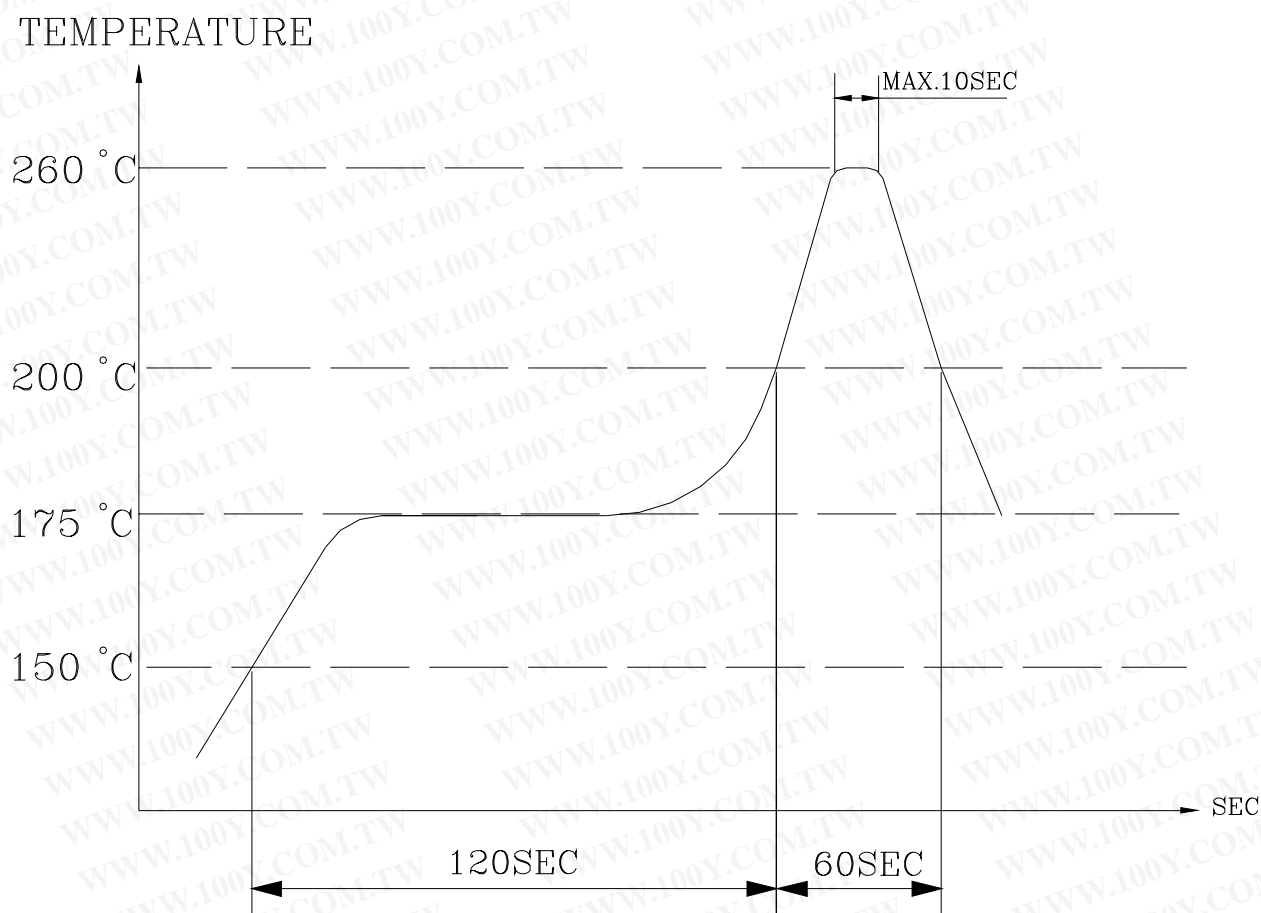
<i>withstanding</i>	<i>environment in actual operation, should be returned to normal environment for 2 hours, then re-proceed to test.</i>	<i>shall exist</i>
<i>Durability</i>	<i>Testing after 1,000 hours actual continuous operation. (at standard measurement conditions)</i>	<i>No abnormality shall exist</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>

## 7. Sol der i ng Condi ti on

(1) Recommēdabl e refl ow sol der i ng condi ti on i s as fol l ows  
(Ref l ow sol der i ng i s t w i c e)

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

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Heat resistant line

(Used when heat resistant reliability test is performed)

(2) Manual soldering

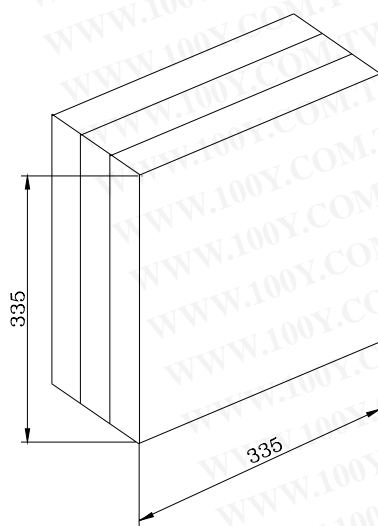
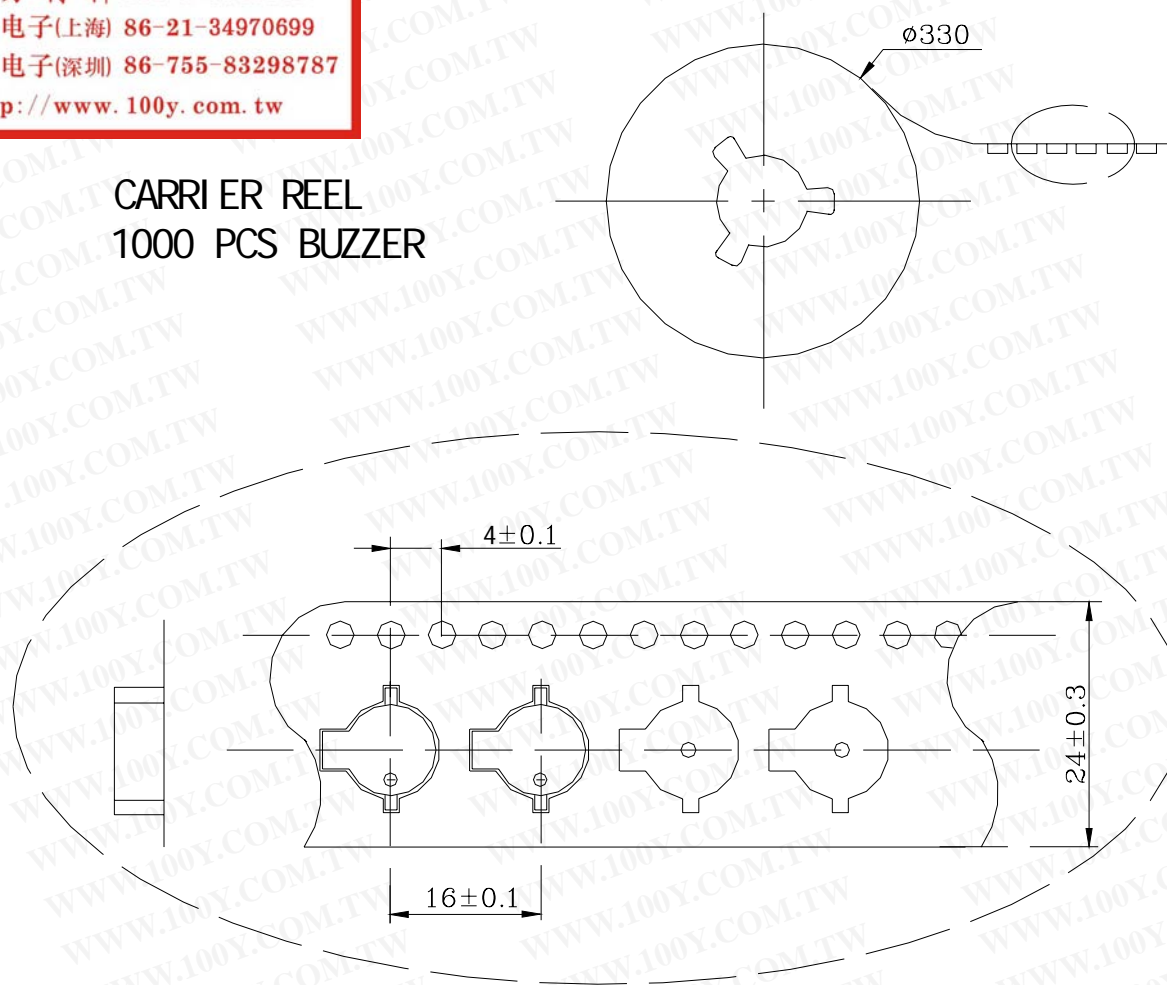
Manual soldering temperature 350 °C within 10 sec.

## 8. PACKAGE METHOD

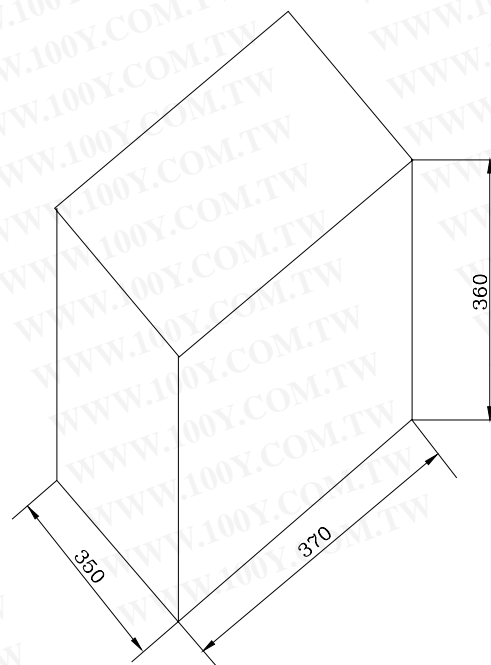
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CARRIER REEL  
1000 PCS BUZZER



INNER BOX  
1 ROLL CARRIER REEL



CARTON BOX  
10 INNER BOX  
10K PCS BUZZER

Unit : mm