



常州市凯丽金电子有限公司---微型贴片电声元器件专业生产商

# SPECIFICATION FOR APPROVAL

DESCRIPTION : SMD BUZZER  
PART NO. : KLJ-1625  
USER' S PART NO. :  
DATE : 2011.06.08  
CUSTOMER APPROVED :

Approved By	Checked By	Made By

常州市凯丽金电子有限公司

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# KLJ-1625

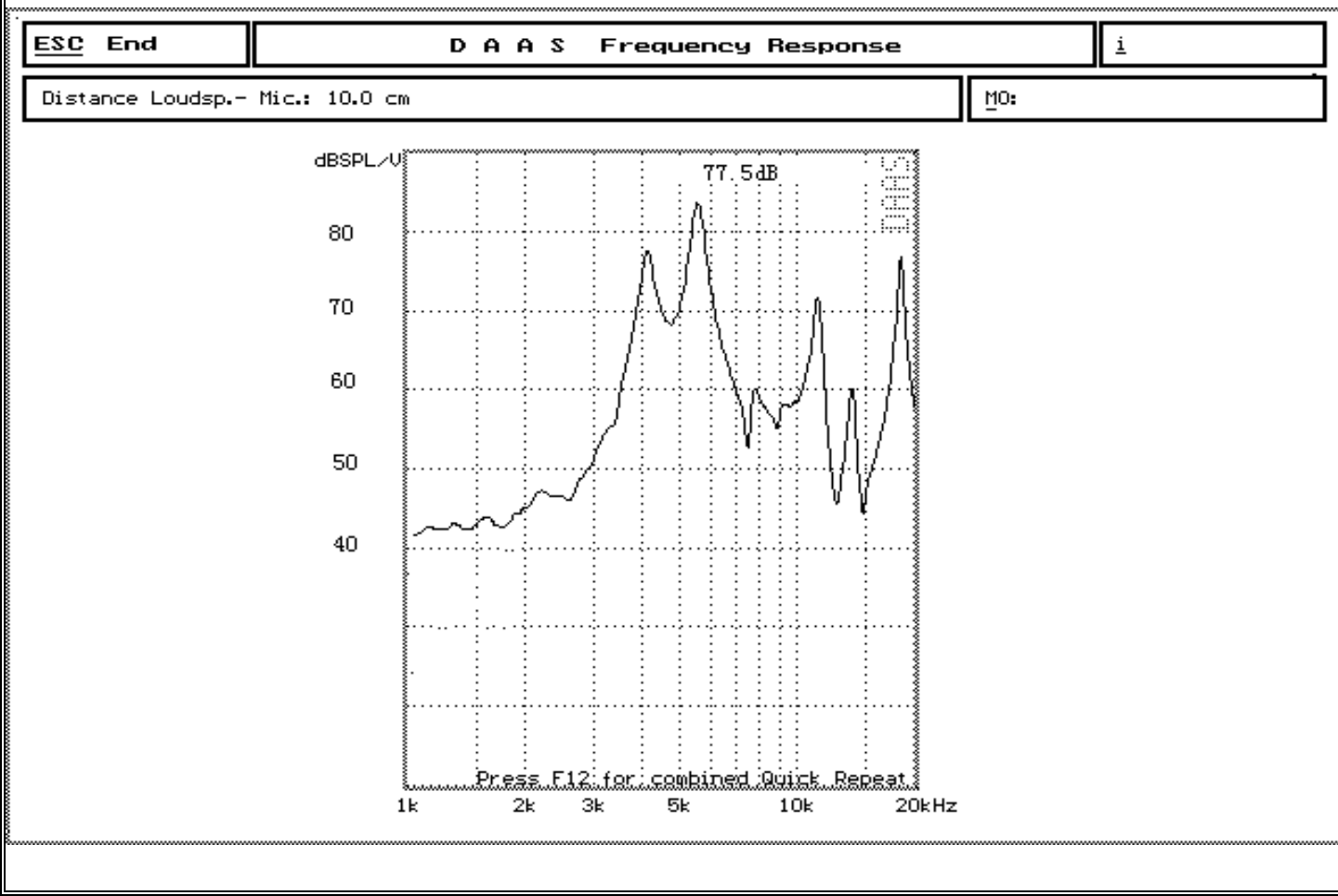
DATE:2011.06.08

## 1 . Electrical Characteristics

VER :0

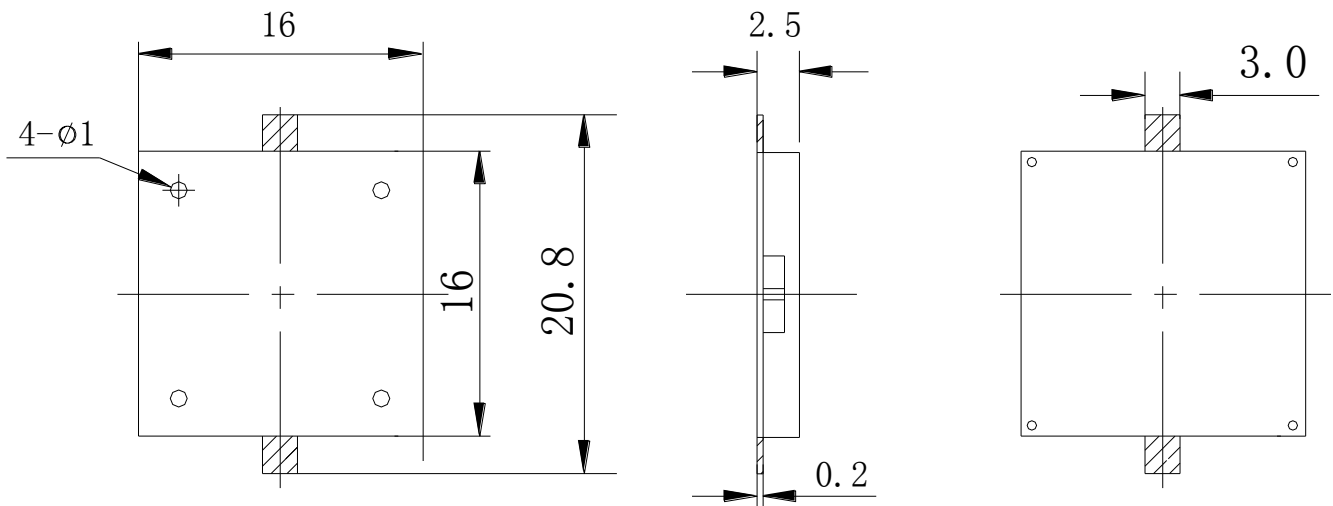
Operating Voltage	Max25Vp-p
Current Consumption	Max 2mA at 3Vp-p/Square Wave/4.1KHz
Sound Pressure Level	Min 75dB at 10cm/ 3Vp-p/Square Wave/4.0KHz
Electrostatic Capacity	15000±30%pF at 100Hz/1Vrms
Operating Temperature (°C)	-20~ +70
Storage Temperature (°C)	-30 ~ +80
Dimension	L16×W16×H2.5mm

## 2 . Typical Frequency Response Curve



### 3 . Dimensions and Material

#### 3-1 Shape



Unit: mm Tol:  $\pm 0.3$

#### 3-2 Material

Housing	LCP plastic resin (Color : Black)
Terminal	SMD Type
Weight (Gram)	1

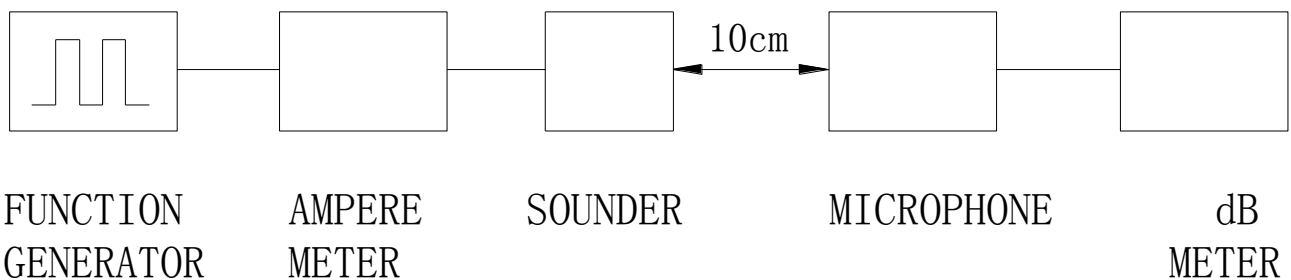
## 4. TESTING METHOD

### · *Standard Measurement conditions*

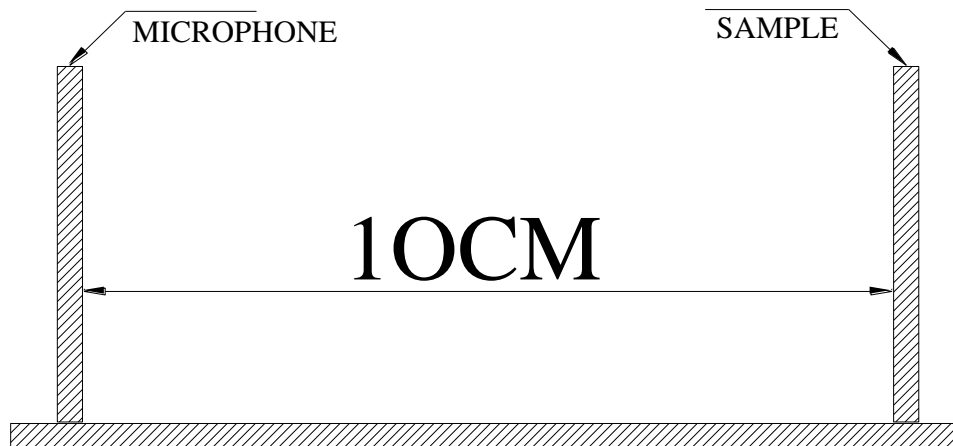
Temperature:  $25 \pm 2$  °C Humidity: 45-60%

### · *Acoustic Characteristics*

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



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



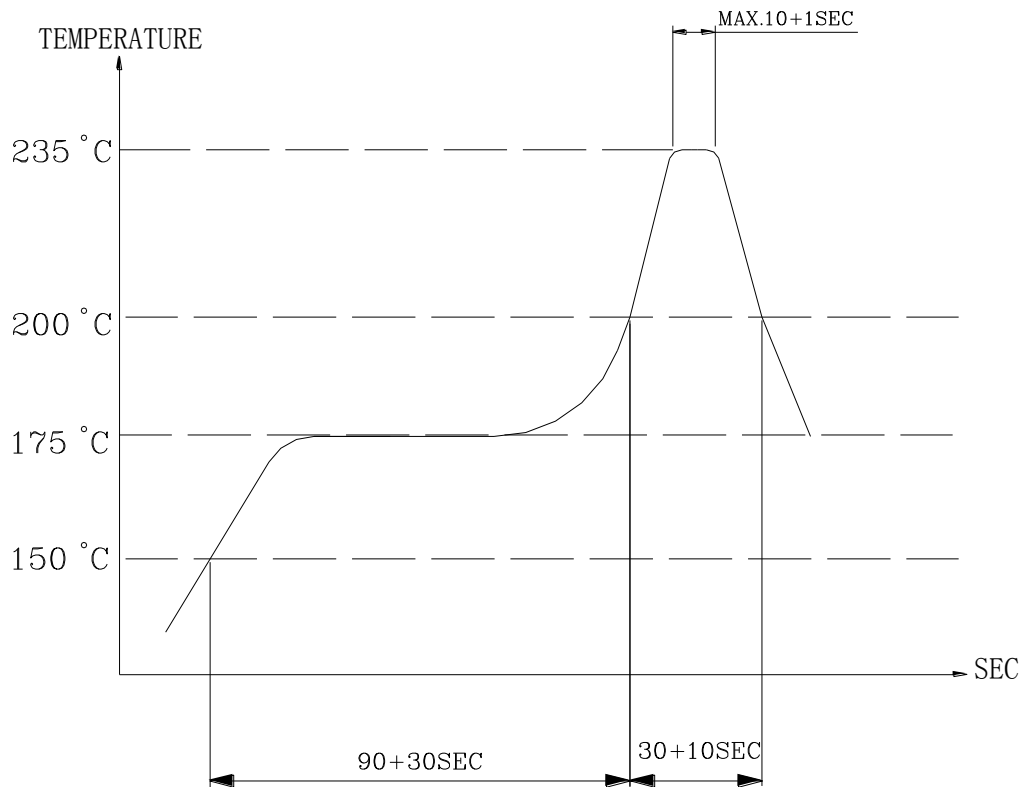
## 5. RELIABILITY

<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℃ 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 +100℃ 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℃ 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>

## 6.Soldering Condition

(1)Recommendable reflow soldering condition is as follows  
(Reflow soldering is twice)

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



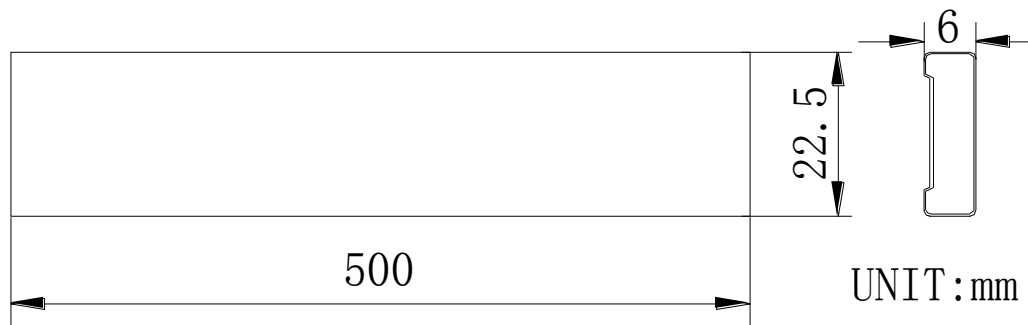
*Heat resistant line*

*(Used when heat resistant reliability test is performed)*

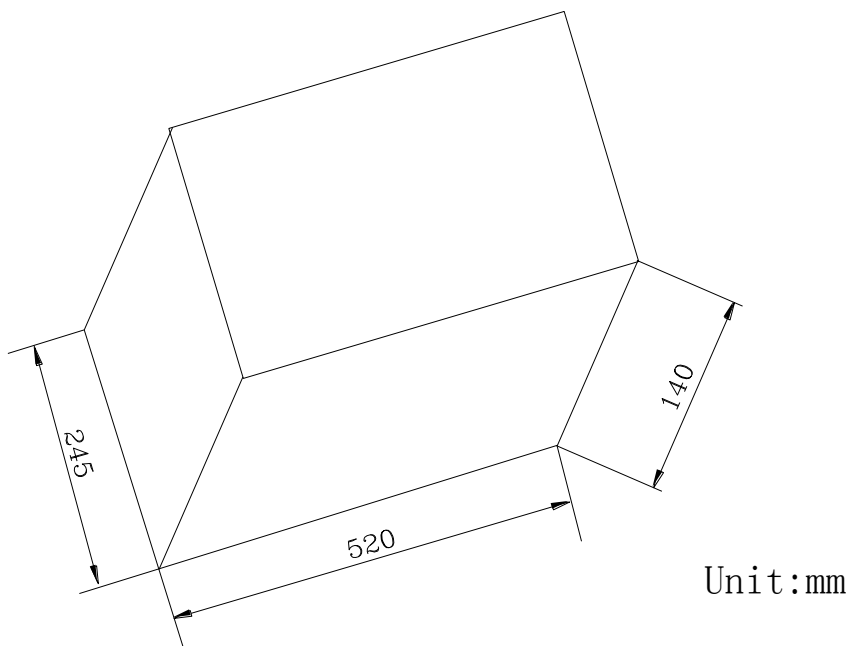
(2)Manual soldering

Manual soldering temperature 350 C within 10 sec.

## 8.PACKAGE METHOD



A plastics packing pack 30PCS BUZZER



200 plastics packing pack Inner box 6000PCS