

# HITPOINT

TEL:8862-26013311

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NO.4 Lane 505, Zhongzheng Rd., Linkou Shiang, Taipei, Taiwan 24445 . R.O.C

## Piezo Electric Buzzer PK-20A25WQ

(RoHS)

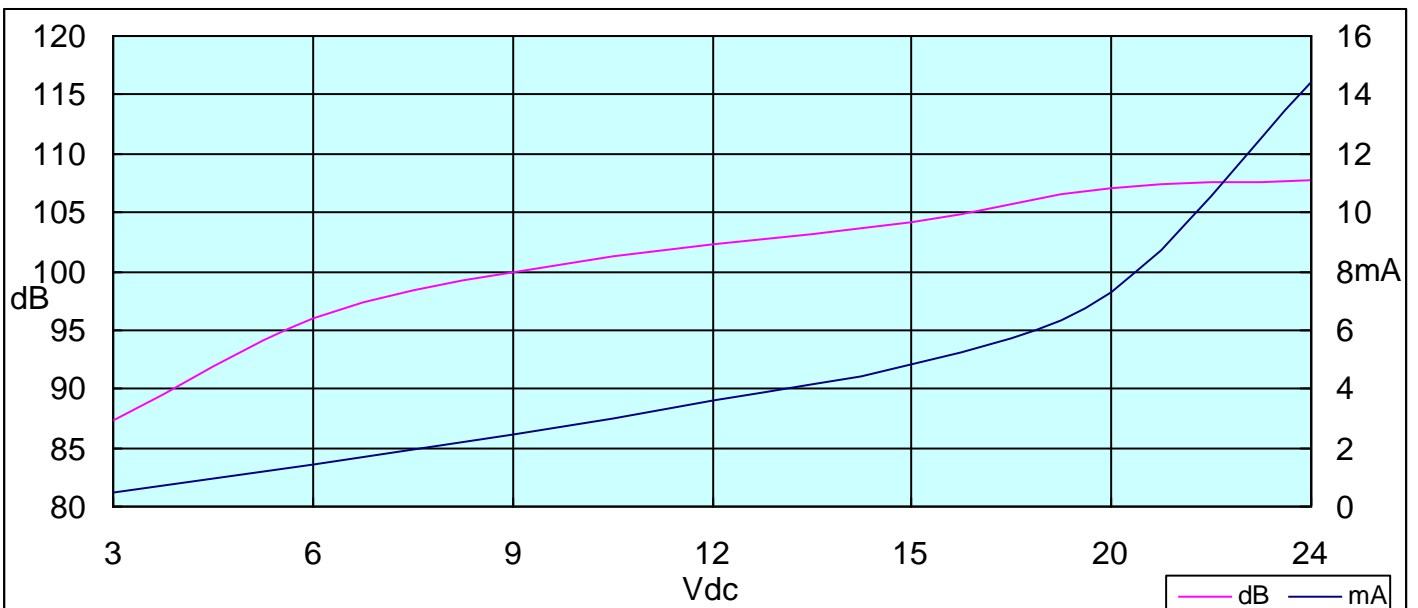
DATE:2009.05.25

### 1 . Electrical Characteristics

VER.:3

Oscillation Frequency (KHz)	2.5 ±0.5
Operating Voltage (Vdc)	3 ~ 24
Rated Voltage (Vdc)	12
Current Consumption (mA/max.)	25 at Rated Voltage
Sound Pressure Level (dB/min.)	95 at 30cm at Rated Voltage 85 at 10cm at 3.3 Vdc
Tone/Pulse Rate	Constant
Operating Temperature (°C)	-20 ~ +70
Storage Temperature (°C)	-30 ~ +80

### 2 . Voltage/ Current / Sound Pressure





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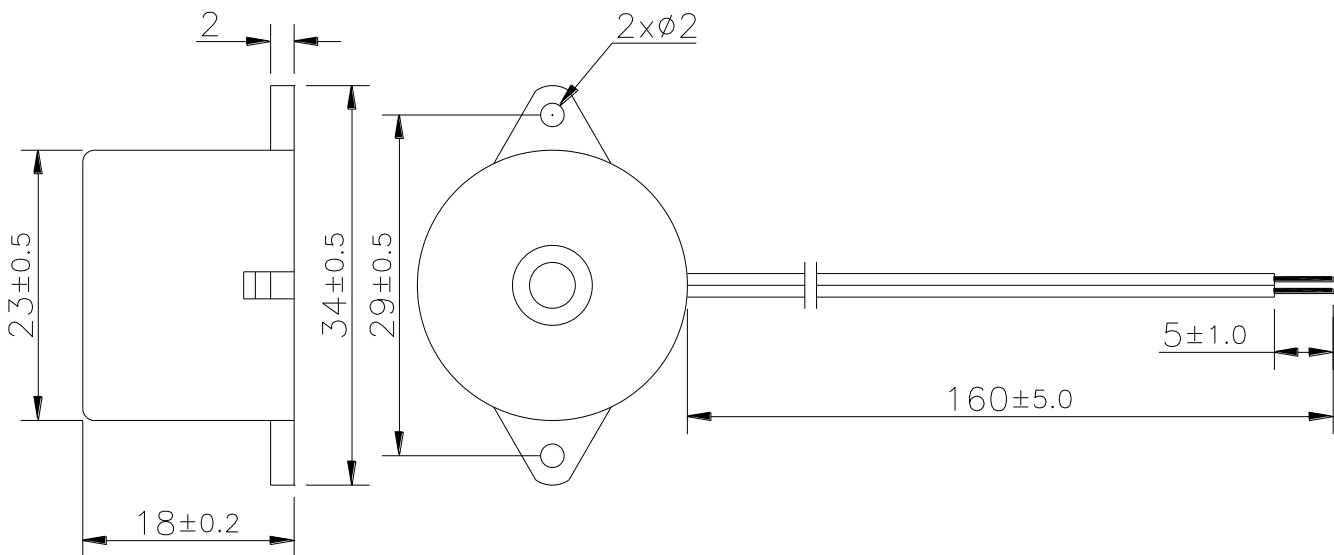
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### 3 . Dimensions and Material

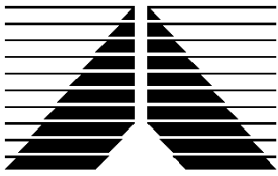
#### 3-1 Shape



Unit : mm

#### 3-2 Material

Housing	ABS 757 UL94HB plastic resin (Color : Black)
Leading Wire	28 AWG UL1095
Weight (Gram)	5.6



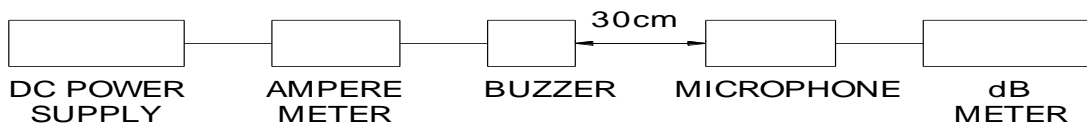
## 4. TESTING METHOD

### · *Standard Measurement conditions*

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

### · *Acoustic Characteristics*

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



## 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 <math>-30 \text{ }^\circ\text{C}</math> 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 <math>+80 \text{ }^\circ\text{C}</math> 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 <math>40 \text{ }^\circ\text{C}</math> 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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## **6. PACKAGE METHOD**

<1> 100pcs per box , Total 10 boxes per carton , total 1000pcs per carton;

Volume: L\*W\*H=520\*335\*290mm

<2>N . W . : ; 5.6KGS ; G . W . : 7.6KGS ;

<3> RoHS Mark