



# HITPOINT

TEL:8862-26013311

FAX:8862-26013898

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

## Magnetic Buzzer

### PB-12N23P-12Q

(RoHS)

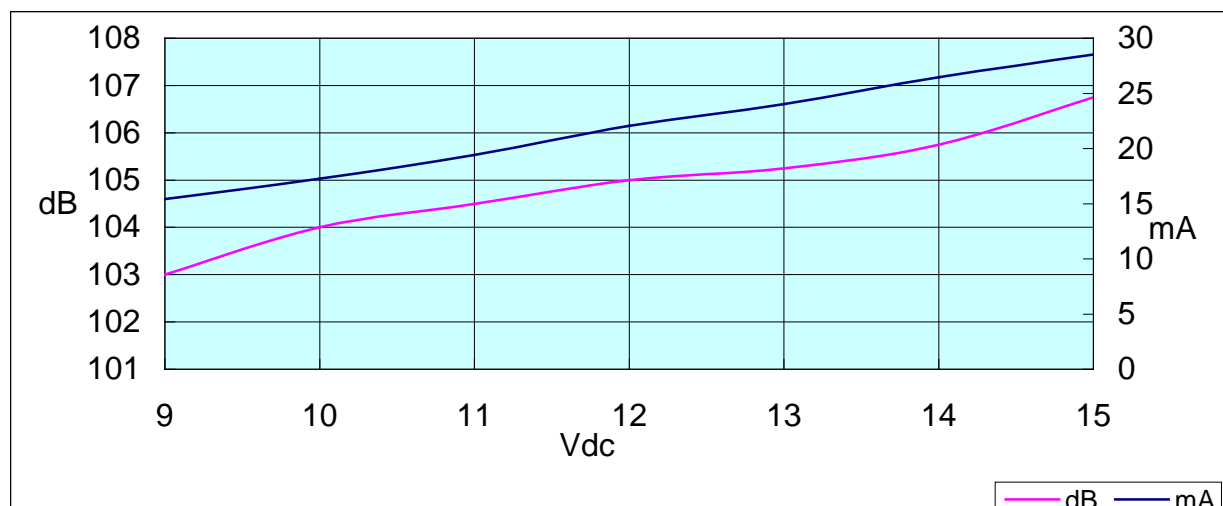
DATE:2008.12.28

#### 1 . Electrical Characteristics

VER.: 3

Resonant Frequency (Hz)	2300 $\pm$ 400
Operating Voltage (Vdc)	9.0 ~ 15
Rated Voltage (Vdc)	12
Current Consumption (mA/max)	50 at Rated Voltage
Sound Pressure Level (dB/min)	85 at 10cm at Rated Voltage
Tone/Pulse Rate	Constant
Operating Temperature (°C)	-20 ~ +70
Storage Temperature (°C)	-30 ~ +80
Condition by wave (°C)	260 $\pm$ 5°C / within 5sec
Condition by hand (°C)	350 $\pm$ 20°C / within 5sec

#### 2 . Voltage/ Current / Sound Pressure





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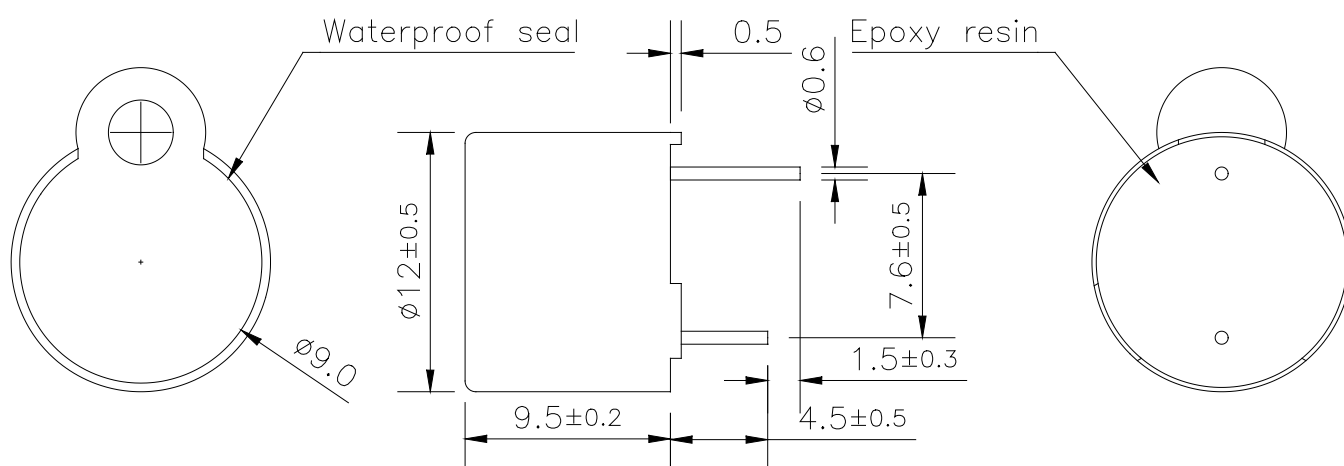
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## 3 . Dimensions and Material

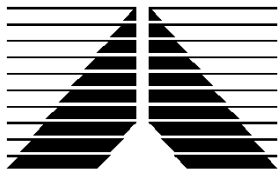
### 3-1 Shape



Unit : mm

### 3-2 Material

Housing	PPO plastic resin (Color : Black)
Leading Pin	Tin Plated Brass
Weight (Gram)	1.6



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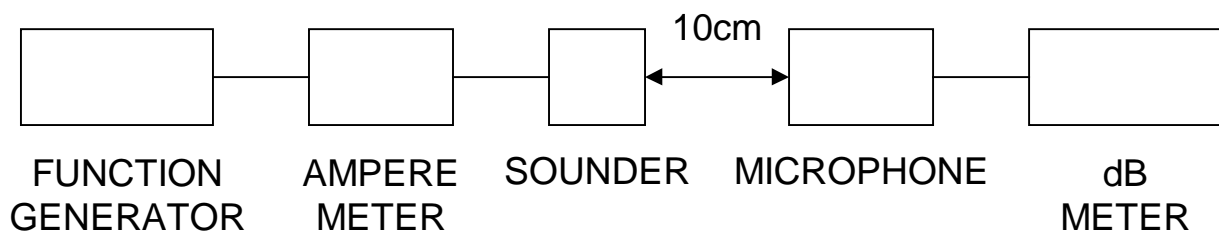
## 4. TESTING METHOD

### • *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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## 5. RELIABILITY

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

## 6. PACKAGE METHOD

<1> 100pcs per box , Total 40 boxes per carton , total 4000pcs carton;

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

<2>N . W . : 6.4KGS ; G . W . : 7.6KGS ;

<3>40pcs per Tube , Total 200 Tubes per carton , total 8000pcs carton;

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

<4>N . W . : 12.8KGS ; G . W . : 14.0KGS ;

<5> RoHS Mark: