

# HITPOINT

TEL:886-2-2601-3311

FAX:886-2-2601-3898

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

## Magnetic Buzzer PB-0540MK-BQ

(RoHS)

DATE:2012-7-30

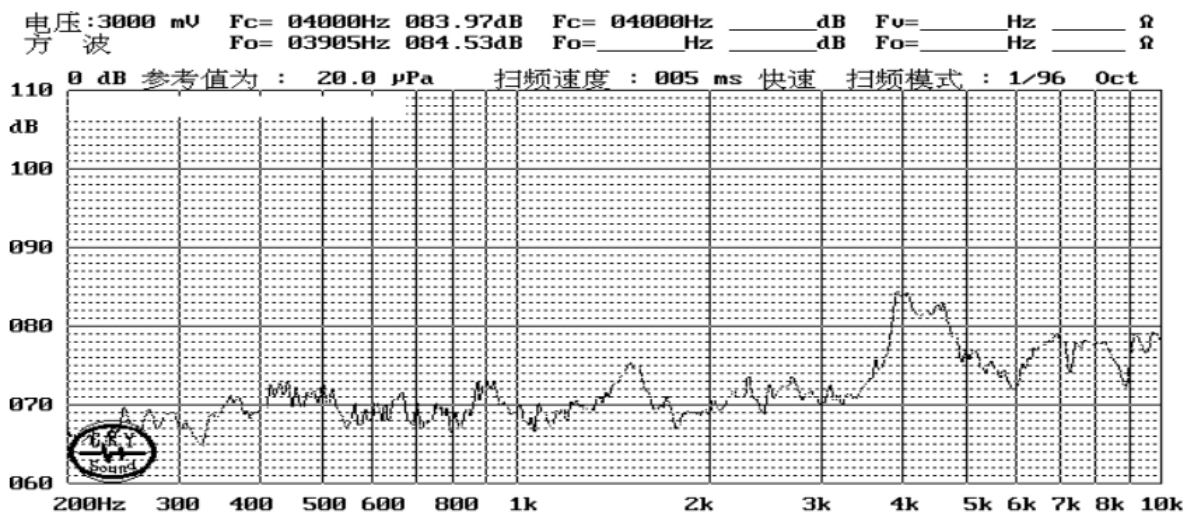
### 1 . Electrical Characteristics

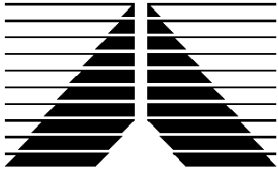
VER :.0

Oscillation Frequency (Hz)	4000
Operating Voltage (Vp-p)	2.0 ~ 4.0
Rated Voltage (Vp-p)	3.0
Current Consumption (mA/max.)	110 at Rated Voltage (Continuous)
Sound Pressure Level (dB/min.)	75 at 10cm at Rated Voltage
Coil Resistance ( $\Omega$ )	12 $\pm$ 3
Operating Temperature ( $^{\circ}\text{C}$ )	-20 ~ +70
Storage Temperature ( $^{\circ}\text{C}$ )	-30 ~ +80
Condition by wave ( $^{\circ}\text{C}$ )	260 $\pm$ 5 $^{\circ}\text{C}$ / within 5sec
Condition by hand ( $^{\circ}\text{C}$ )	350 $\pm$ 20 $^{\circ}\text{C}$ / within 5sec

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

### 2 . Typical Frequency Response Curve





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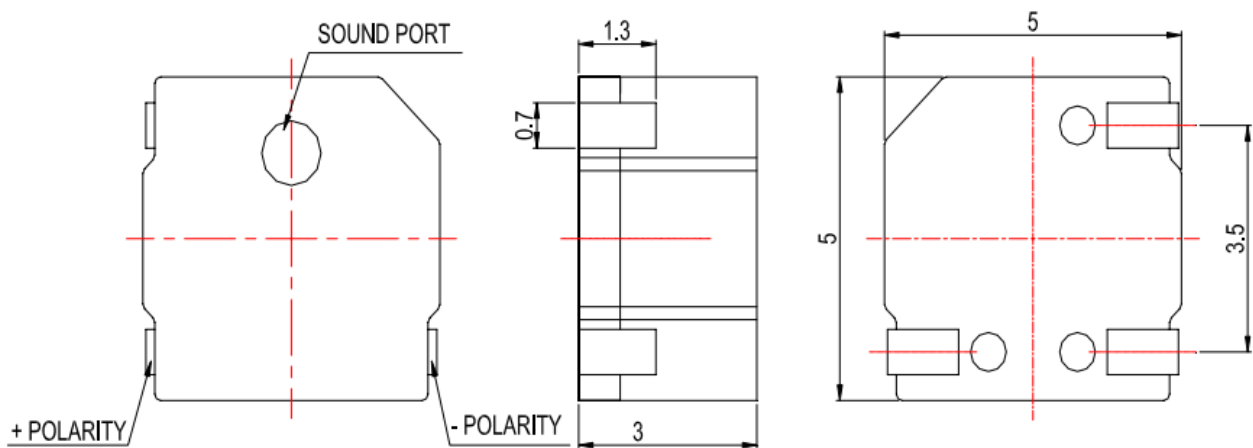
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### 3 . Dimensions and Material

#### 3-1 Shape

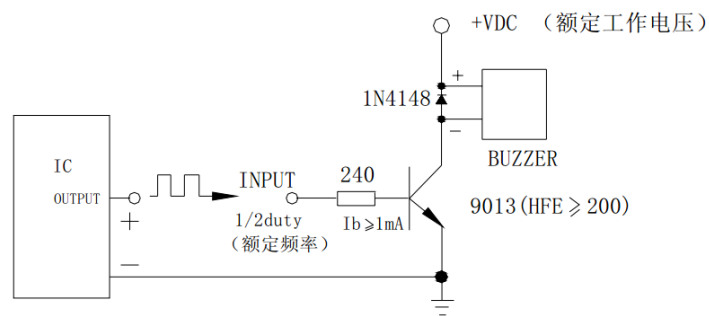


Unit:mm Tol:±0.3

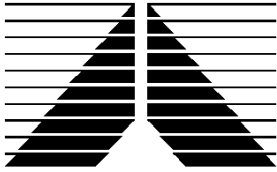
#### 3-2 Material

Housing	LCP(Black)
Leading Pin Plating	Sn
Weight (Gram)	0.3

### 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.



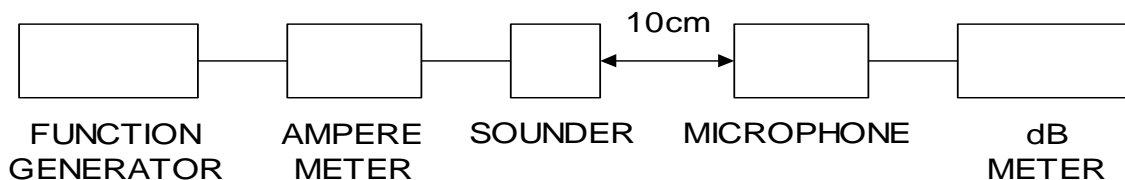
## 5. TESTING METHOD

### • *Standard Measurement conditions*

*Temperature:25±2 °C Humidity:45-60%*

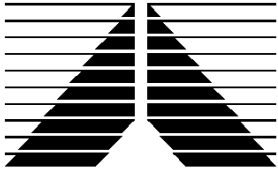
### • *Acoustic Characteristics*

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



## 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 98 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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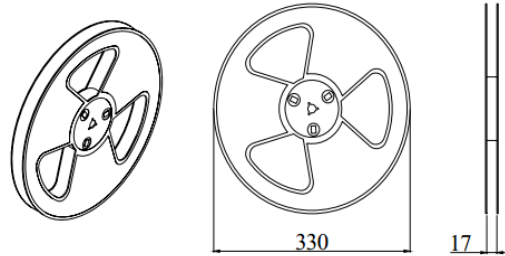
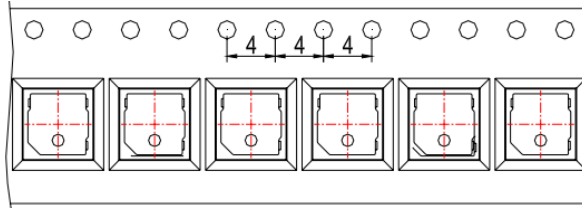
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## 7. PACKAGE METHOD

< 1 > 2500pcs per tape reel, Total 8 tape reels , total 20000pcs carton;

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



1 Reel: 2500 Pcs

< 2 > N . W . : 8.4KGS ; G . W . : 9.4KGS ;

< 3 > RoHS Mark: