

HITPOINT

TEL:8862-26013311

FAX:8862-26013898

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

Magnetic Buzzer PB-0630PE-05Q

(RoHS)

DATE:2014/6/9

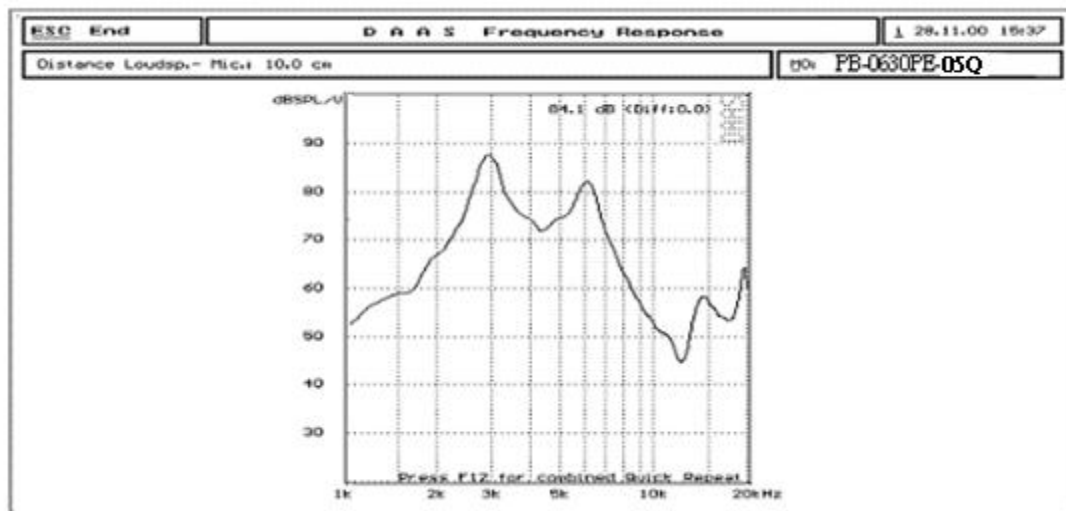
1 . Electrical Characteristics

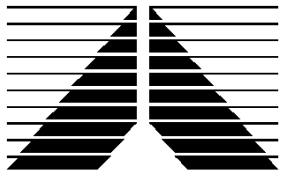
VER :.0

| | |
|---------------------------------------|---|
| Oscillation Frequency (Hz) | 3000 |
| Operating Voltage (Vp-p) | 3.0 ~ 7.0 |
| Rated Voltage (Vp-p) | 5.0 |
| Current Consumption (mA/max.) | 110 at Rated Voltage |
| Sound Pressure Level (dB/min.) | 70 at 10cm at Rated Voltage |
| Coil Resistance (Ω) | 32 \pm 5 |
| Operating Temperature ($^{\circ}$ C) | -20 ~ +70 |
| Storage Temperature ($^{\circ}$ C) | -30 ~ +80 |
| Condition by wave ($^{\circ}$ C) | 260 \pm 5 $^{\circ}$ C / within 5sec |
| Condition by hand ($^{\circ}$ C) | 350 \pm 20 $^{\circ}$ C / within 5sec |

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

2 . Typical Frequency Response Curve





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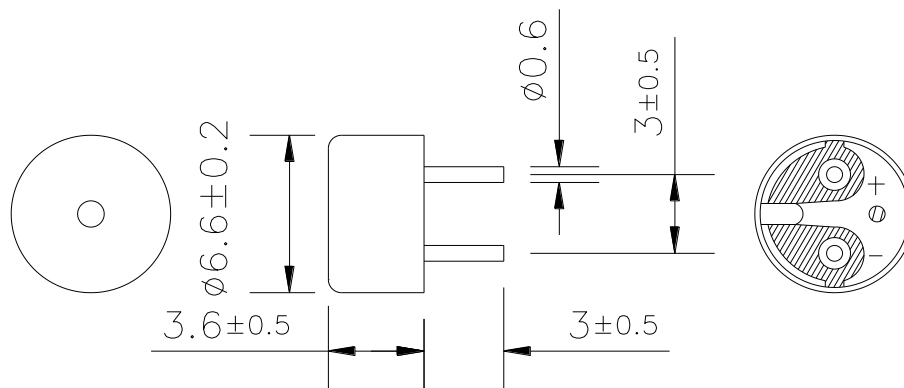
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3 . Dimensions and Material

3-1 Shape

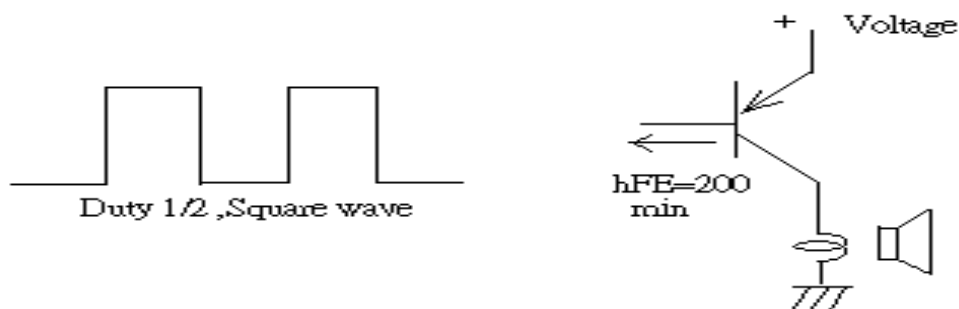


Unit : mm

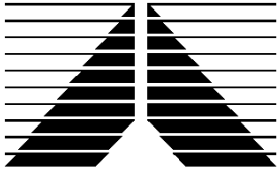
3-2 Material

| | |
|---------------|-----------------------------------|
| Housing | PPO 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.



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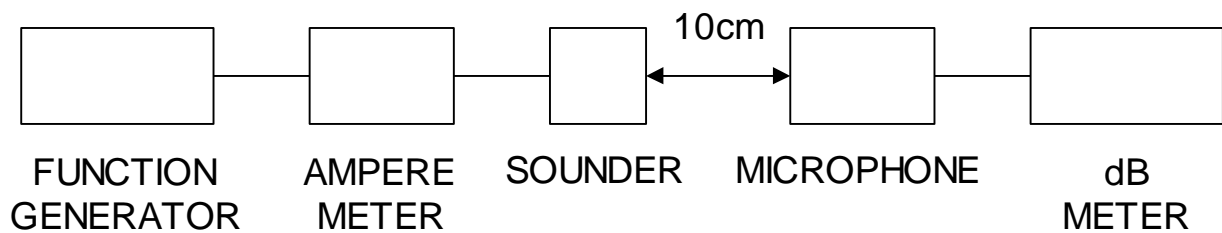
5. TESTING METHOD

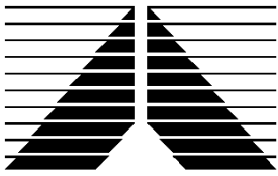
• *Standard Measurement conditions*

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.





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6. RELIABILITY

| ITEMS | METHOD OF TEST AND MEASUREMENTS | PERFORMANCE |
|-----------------------------------|---|---------------------------------------|
| <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 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. PACKAGE METHOD

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

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

<2>N . W . : 3.2KGS ; G . W . : 4.4KGS ;

<3> RoHS Mark: