



HITPOINT

TEL:8862-26013311

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

PB-0927P-05Q

(RoHS)

DATE:2006.07.06

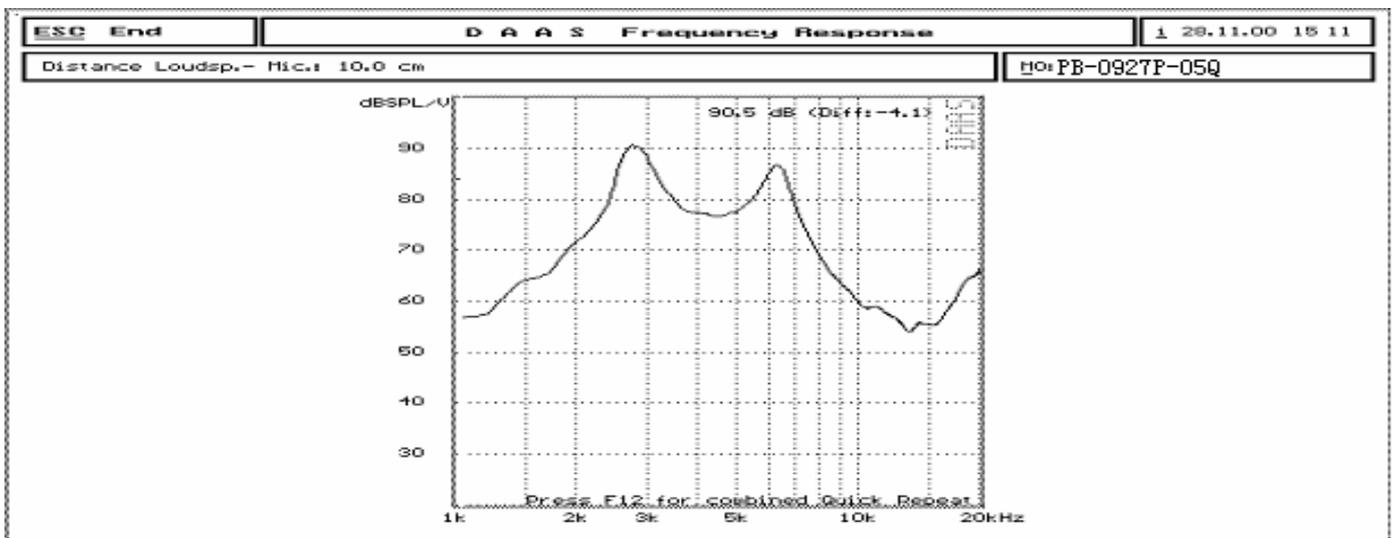
1 . Electrical Characteristics

VER.:1

| | |
|--|--|
| Oscillation Frequency (Hz) | 2731 |
| Operating Voltage (Vp-p) | 4.5 ~ 5.5 |
| Rated Voltage (Vp-p) | 5.0 |
| Current Consumption (mA/max.) | 65 at Rated Voltage |
| Sound Pressure Level (dB/min.) | 85 at 10cm at Rated Voltage |
| Coil Resistance (Ω) | 40 ± 5 |
| Operating Temperature ($^{\circ}\text{C}$) | -20 ~ +70 |
| Storage Temperature ($^{\circ}\text{C}$) | -30 ~ +80 |
| Wave soldering conditions | $245 \pm 5^{\circ}\text{C}$ for 3 ± 0.5 seconds. |
| Manual soldering conditions | $350 \pm 20^{\circ}\text{C}$ / within 5sec |

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

2 . Typical Frequency Response Curve





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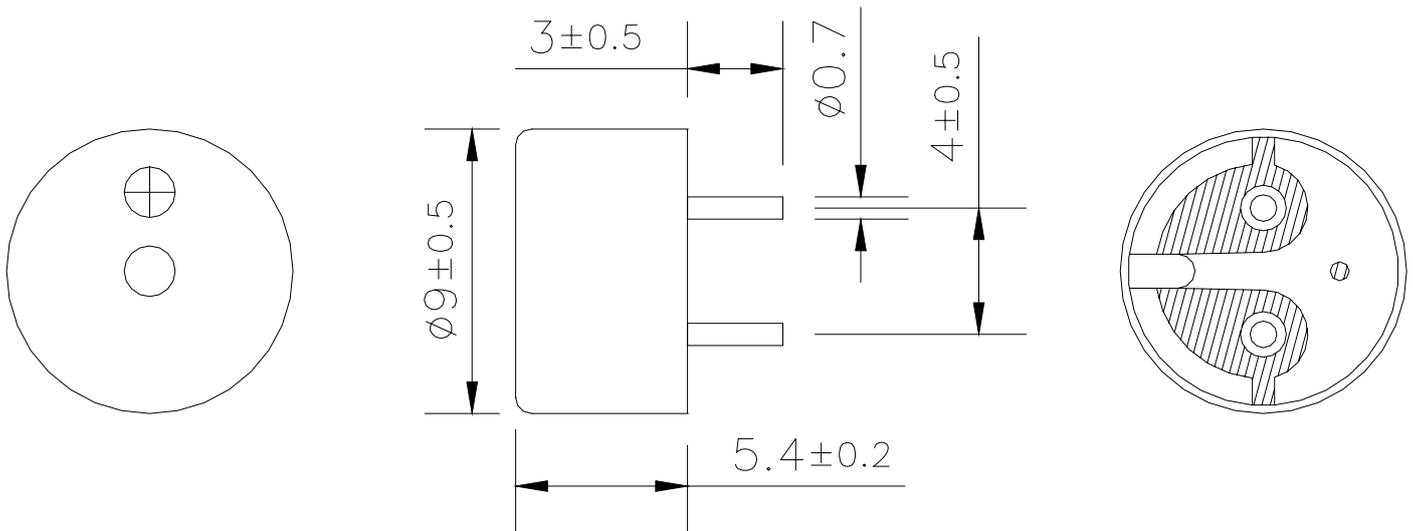
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3 . Dimensions and Material

3-1 Shape

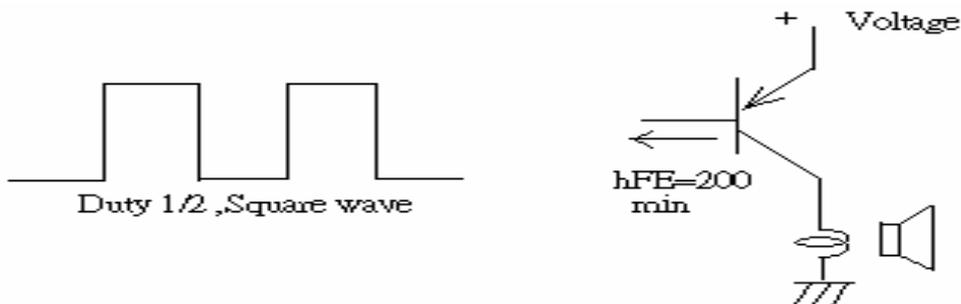


Unit : mm

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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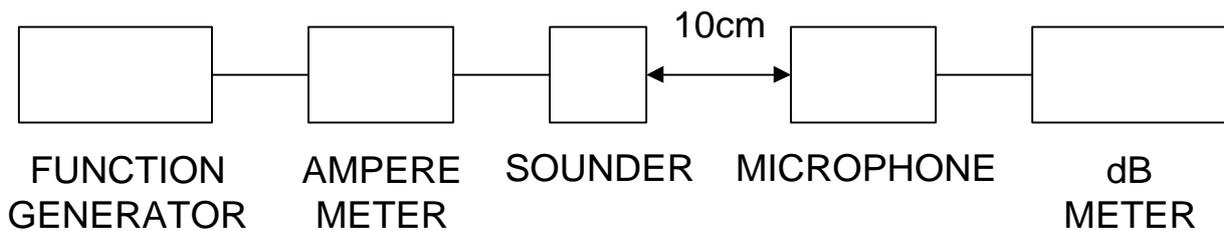
5. TESTING METHOD

• *Standard Measurement conditions*

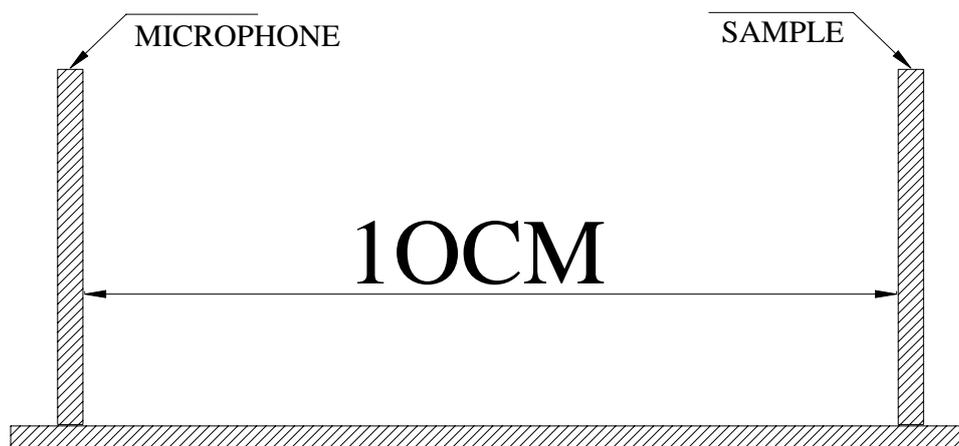
Temperature: 25 ± 2 °C Humidity: 45-60%

• *Acoustic Characteristics*

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



In the measuring test, buzzers is placed as follows:





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6. RELIABILITY

| ITEMS | METHOD OF TEST AND MEASUREMENTS | PERFORMANCE |
|------------------------|---|----------------------------|
| Coldness withstanding | After 98 hours of being exposed to -30°C 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°C 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°C 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 |

7. PACKAGE METHOD

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

Volume: L*W*H=510*330*300mm

< 2 > RoHS Mark

