

TMB9042-03

DATE:2004.07.18

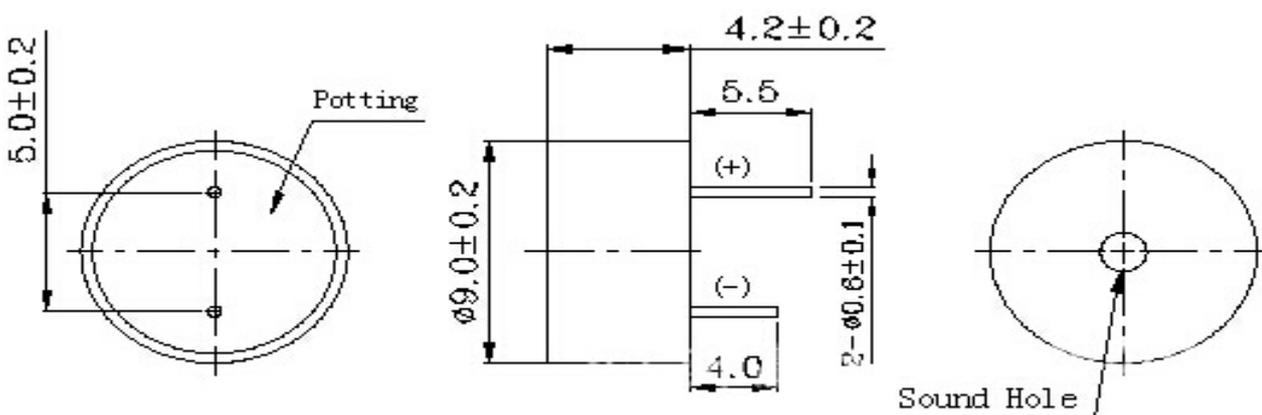
1 . Electrical Characteristics

VER .: 0

Oscillation Frequency (KHz)	2.7 ± 0.3
Operating Voltage (Vdc)	2.5~4
Rated Voltage (Vdc)	3
Current Consumption (mA/max)	35at Rated Voltage
Sound Pressure Level (dB/min)	83 at 10cm at Rated Voltage
Tone/Pulse Rate	Constant
Operating Temperature (°C)	-20 ~ +70
Storage Temperature (°C)	-30 ~ +80

2Dimensions and Material

2-1 Shape



2-2 Material

Housing	PPO plastic resin (Color : Black)
Leading Pin	Tin Plated Brass
Weight (Gram)	1.0

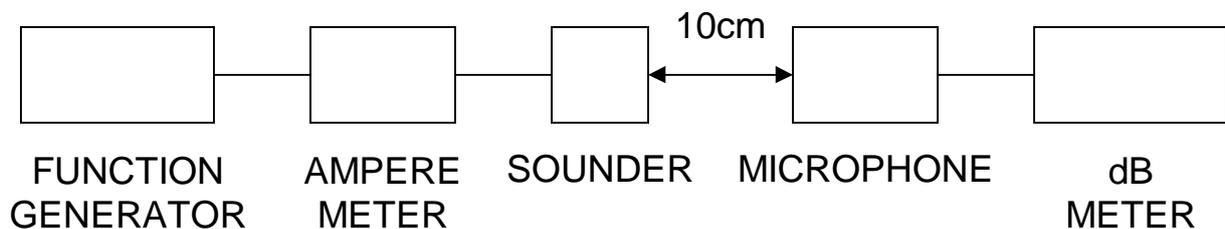
3. TESTING METHOD

- **Standard Measurement conditions**

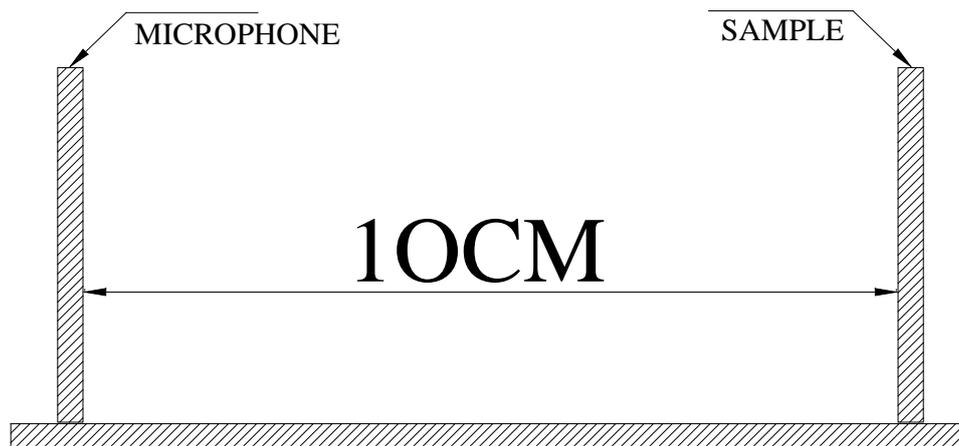
Temperature: 25 ± 2 °C Humidity: 45-60%

- **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:



4. 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>

5. PACKAGE METHOD

<1> *One inner box consists of 100pcs.*

<2> *10 inner boxes are packed in a carton box. (L*W*H=520*430*280mm)
(1000pcs of FDB-09605-0527 are packed in a carton box.)*