

SHOGYO INTERNATIONAL CORPORATION

Tel: 516-921-911 Fax: 516-921-3777

E-mail: INFO@SHOGYO.COM Website: WWW.SHOGYO.COM

“Magnetic Buzzer”

SMX-3008

(RoHS)

DATE:2011.03.18

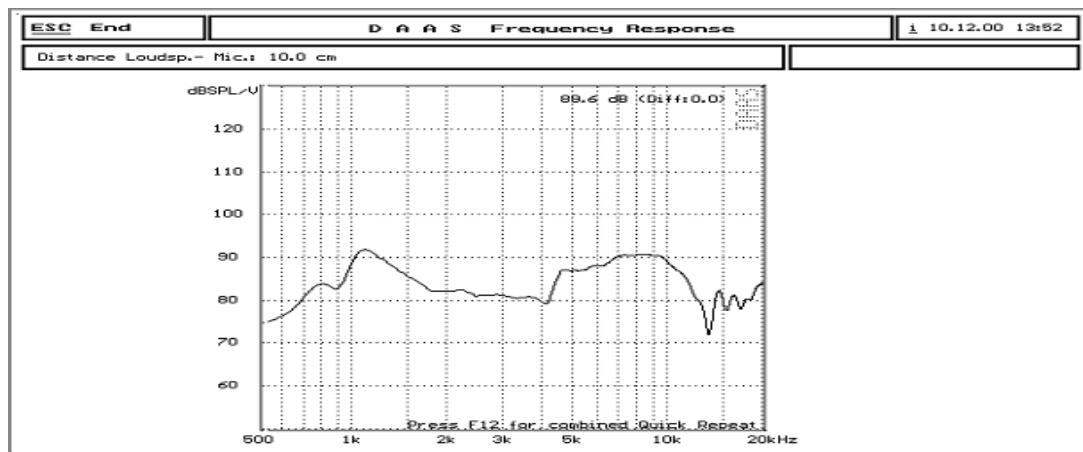
1 . Electrical Characteristics

VER :3

Oscillation Frequency (Hz)	1250
Operating Voltage (Vp-p)	2.0 ~ 5.0
Rated Voltage (Vp-p)	3.0
Input Watt (W/max.)	0.2
Sound Pressure Level (dB/min.)	85 at 10cm at Rated Voltage
Coil Resistance (Ω)	8.0 ± 2
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



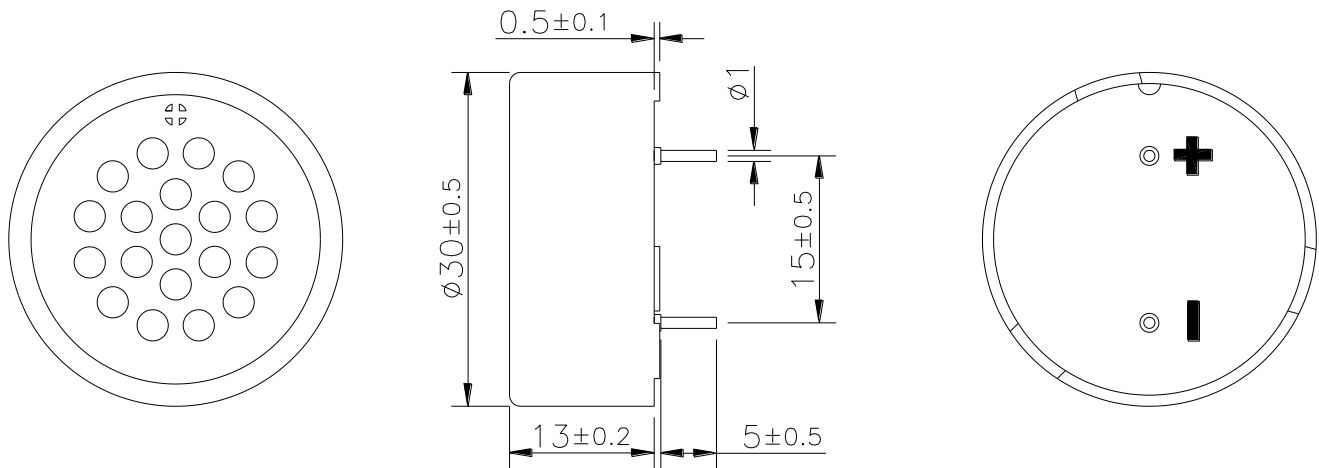
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3 . Dimensions and Material

3-1 Shape

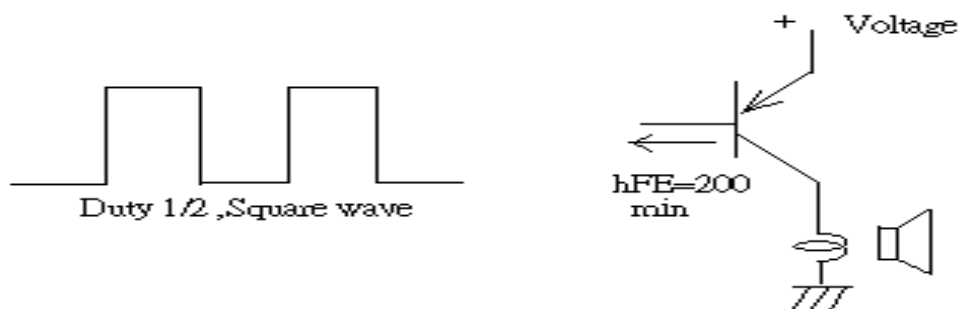


Unit : mm

3-2 Material

Housing	PPO plastic resin (Color : Black)
Leading Pin	Tin Plated Brass
Weight (Gram)	4.0

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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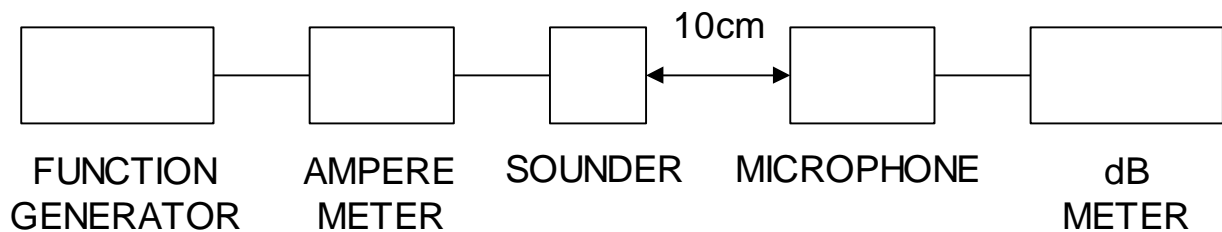
5. TESTING METHOD

• *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 > 160pcs per box , 10 boxes per carton , total 1600pcs per carton;

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

< 2 > N.W. : 17.0 KGS G.W. : 18.5 KGS

< 3 > RoHS Mark: