



**APPROVAL SHEET  
FOR  
MAGNETIC BUZZER**

CUSTOMER No.:

MODEL No.:

OUR PART No.:

CUSTOMER PART No.:

CUSTOMER	APPROVED	CHECKED

<b>Specification for Electro-Magnetic Buzzer With built-in oscillating circuit (Pin Type)</b>		Des.	Page 2 of 4
		Jiang wei rong	Update/2010-03-11
<b>Model No.:</b>	Part No.	Chk.	Apr.
		Jiang Yin	

### 1. Technical Parameter

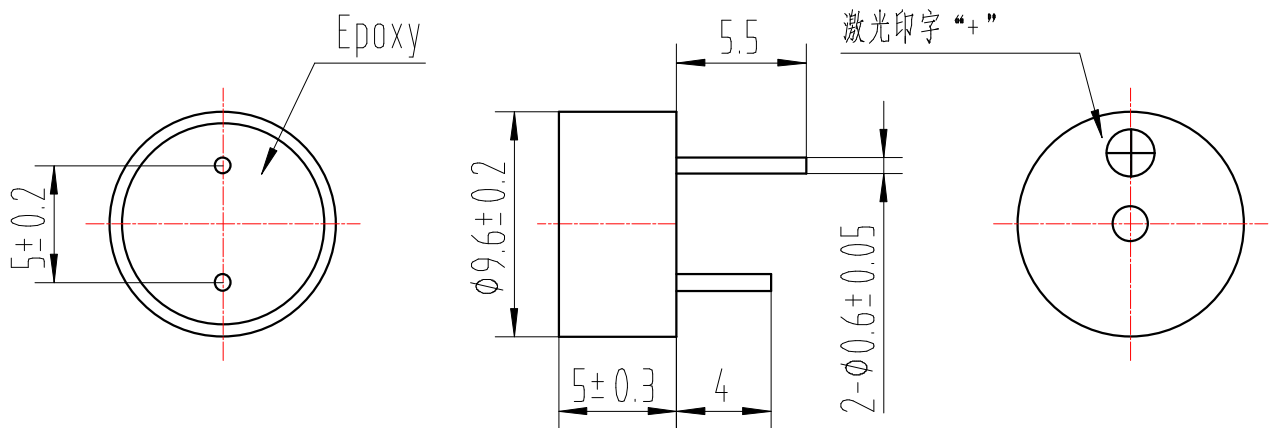
Measuring condition: Part shall be measured under a condition (Temperature: 5~35°C, Humidity: 45%~85%R.H., Atmospheric pressure: 860 ~1060hPa) unless the standard condition (Temperature: 25±3°C, Humidity: 60±10%R.H. Atmospheric pressure: 860 ~1060hPa) is regulated to measure.

1	Rated Voltage	5 VDC
2	Operating Voltage	4 – 7 VDC
3	Rated Current	Max.30mA ,at 5VDC
4	Sound Output at 10cm	Min. 80dB,at 5VDC,10cm
5	Resonant Frequency	2700 ± 300 Hz
6	Tone	Continuous
7	Operating Temperature	-20 - +70°C
8	Storage Temperature	-30 - +80°C
9	RoHS	Yes
10	Weight	Approx 1 g

### 2. Dimensions

Unit: mm

Tolerance: ± 0.5mm Except Specified



\*Housing Material: Black PBT

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### 3. Reliability Test

After any following tests the part shall meet specifications without any degradation in appearance and performance except SPL. SPL shall not deviate more than -10 dB from the initial value

#### 3.1 Ordinary Temperature Life Test

The part shall be subjected to 96 hours at  $25 \pm 10^\circ\text{C}$ . Input rated voltage  
Resonant frequency, 1/2 duty Square wave.

#### 3.2 High Temperature Test

The part shall be capable of with standing a storage temperature of  $+80^\circ\text{C}$  for 96 hours.

#### 3.3 Low Temperature Test

The part shall be capable of with standing a storage temperature of  $-30^\circ\text{C}$  for 96 hours.

#### 3.4 Humidity Test

Temperature:  $+40^\circ\text{C} \pm 3^\circ\text{C}$  Relative Humidity: 90%~95% Duration: 48 hours  
and expose to room temperature for 6 hours

#### 3.5 Temperature Shock Test

Temperature:  $70^\circ\text{C}$  /1hour  $\rightarrow$   $25^\circ\text{C}$ /3hours  $\rightarrow$   $-30^\circ\text{C}$ /1hour  $\rightarrow$   $25^\circ\text{C}$ /3hours (1cycle)  
Total cycle: 10 cycles

#### 3.6 Drop Test

Standard Packaging From 75mm(Drop on hard wood or board of 5cm thick, three sides, six plain.)

#### 3.7 Vibration Test

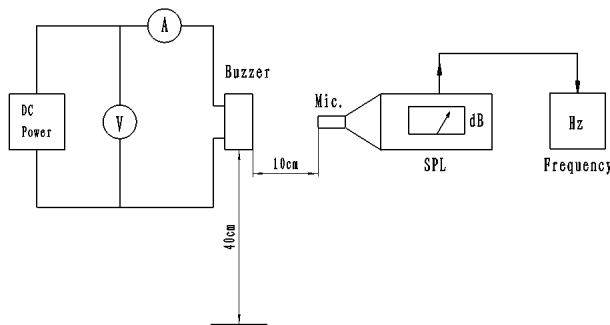
Vibration: 1000cycles /min. Amplitude: 1.5mm, Duration: 1 hour in each 3 axes

#### Note:

As this product is not protected from foreign material entering, please make sure that any foreign materials (e.g. magnetic powder, washing solvent, flux, corrosive gas) do not enter this product in your production processes. The functional degradation (e.g. SPL down) may occur if foreign material enter it.

### 4. Electrical And Acoustical Measuring Condition

#### a) Recommended Setting



#### b) Recommended Test Circuit

