

### 1.Scope

This specification is applied to Metal Buzzer

The product describe below are used for buzzer in various alarm systems.

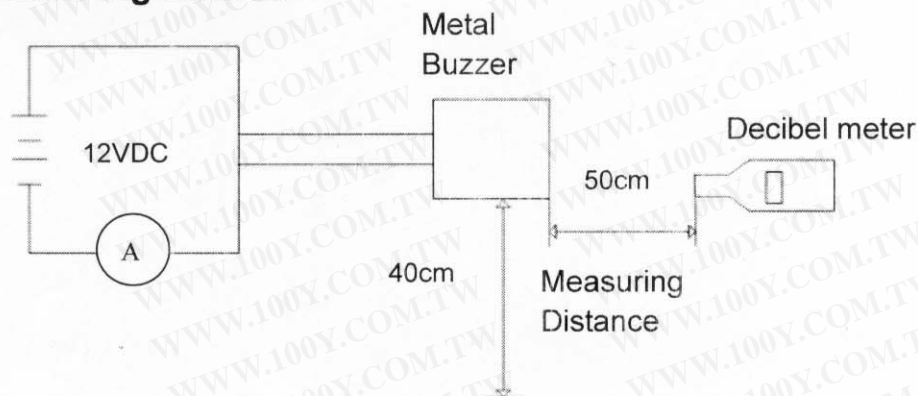
### 2.Basic Condition

- 2.1 Rated Voltage:12VDC
- 2.2 Operating Voltage:8~16VDC
- 2.3 Operating Temperature Range:-20慢 ~+70慢
- 2.4 Storage Temperature Range:-30慢~+80慢

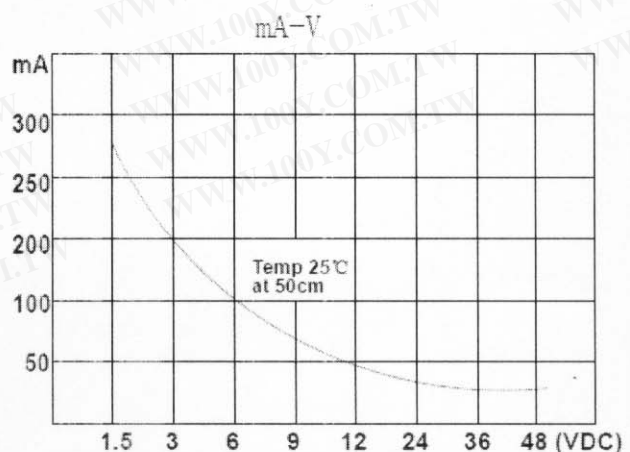
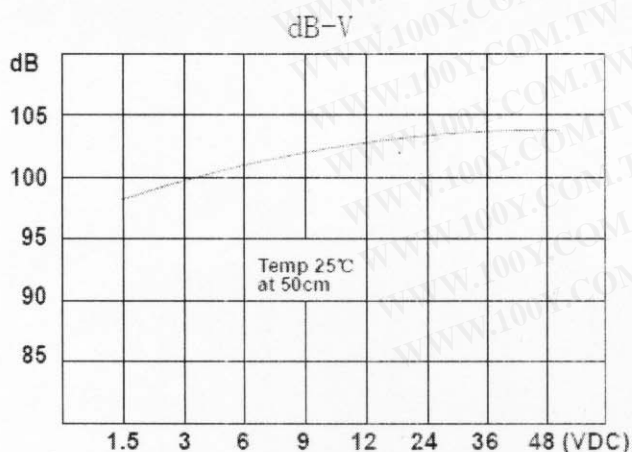
### 3.Electrical Characteristics

- 3.1 Sound Press Level:  $\geq 95$ dB at 50cm / 12VDC
- 3.2 Consumption Current:  $\leq 80$ mA at 12VDC
- 3.3 Resonate Frequency:400Hz $\pm$ 100Hz
- 3.4 Tone Nature:Continuous Sound
- 3.5 Material:SECC

### 4.Measuring Method



### 5.Sound Press Level & Consumption Current Curve



## 6.Environment Test Method

NO.	ITEM	TEST CONDITION AND REQUIREMENT
1	High Temperature Test (Storage)	After being placed in a chamber with $80\pm 2^\circ\text{C}$ for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: $\pm 10\text{dB}$ .
2	Low Temperature Test (Storage)	After being Placed in a chamber with $-30\pm 2^\circ\text{C}$ for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: $\pm 10\text{dB}$ .
3	Humidity Test	After being Placed in a chamber with 90-95% R.H. at $40\pm 2^\circ\text{C}$ for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: $\pm 10\text{dB}$ .
4	Temperature Cycle Test	<p>The part shall be subjected to 5 cycles. One cycle shall be consist of:</p> <p style="text-align: center;"> <math>+80^\circ\text{C}</math>  <math>+25^\circ\text{C}</math>      <math>+25^\circ\text{C}</math>  <math>-30^\circ\text{C}</math> </p> <p style="text-align: center;">             0.5hr    0.5    0.25    0.5    0.5    0.5    0.25              3hours         </p> <p>Allowable variation of SPL after test: <math>\pm 10\text{dB}</math>.</p>
5	Drop Test	Drop on a hard wood board of 4cm thick, any directions ,6 times, at the height of 100cm. Allowable variation of SPL after test: $\pm 10\text{dB}$ .
6	Vibration Test	After being applied vibration of amplitude of 1.5mm with 10 to 55 Hz band of vibration frequency to each of 3 perpendicular directions for 2 hours . Allowable variation of SPL after test: $\pm 10\text{dB}$ .
7	Solder ability Test	Lead terminals are immersed in rosin for 5 seconds and then immersed in solder bath of $+300\pm 5^\circ\text{C}$ for $3\pm 1$ seconds.90% min. lead terminals shall be wet with solder (Except the edge of terminals).
8	Terminal / Wire Strength Pulling Test	The force of 9.8N(1.0kg) is applied to each terminal in axial direction for 10 seconds. No visible damage and cutting off.

## 7.Reliability Test

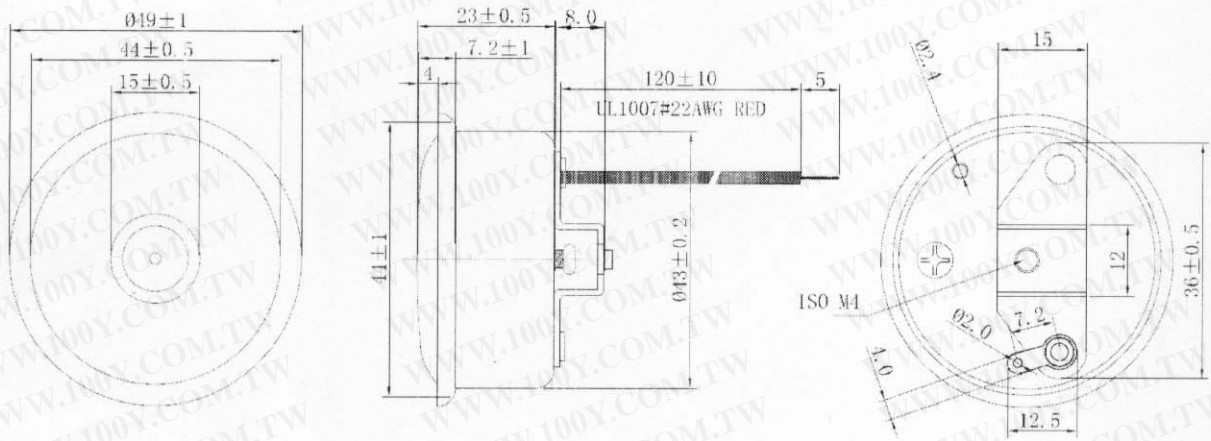
### Continuous life test:

250 Hours continuous operating at  $+70^\circ\text{C}$  with maximum rated voltage applied .

### Intermittent life test:

Aduty cycle of 1 minute on, 5 minutes off,a minimum of 10000 times at temperature  $+25^\circ\text{C}\pm 2$

### 8.Dimension



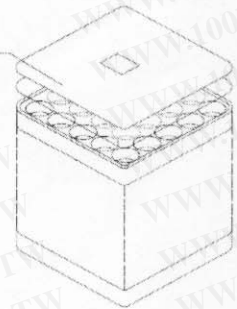
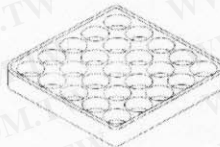
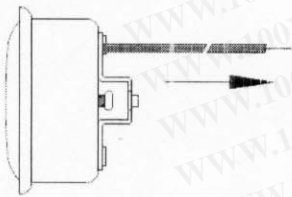
Tolerance ? .5mm

### 9.Packing List

HS-49XXB

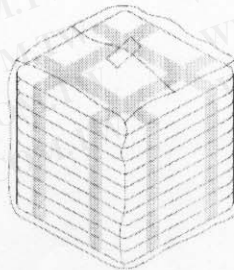
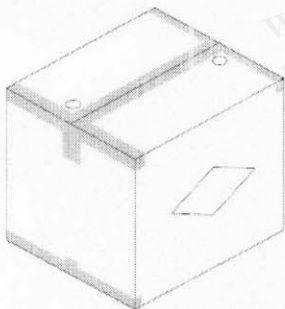
PVC··30\*30\*4cm  
PVC··25PCS

Paper Board



Carton:32\*32\*28cm

Carton:200PCS



P/N: HS-49XXB  
 QTY: 200 PCS  
 N.W: 16 KGS  
 G.W: 17 KGS  
 CTN: 32\*32\*28cm