



# HITPOINT

TEL:8862-26013311

FAX:8862-26013898

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

## Piezo Siren

### PS-523AQ

(ROHS)

DATE:2009.06.05

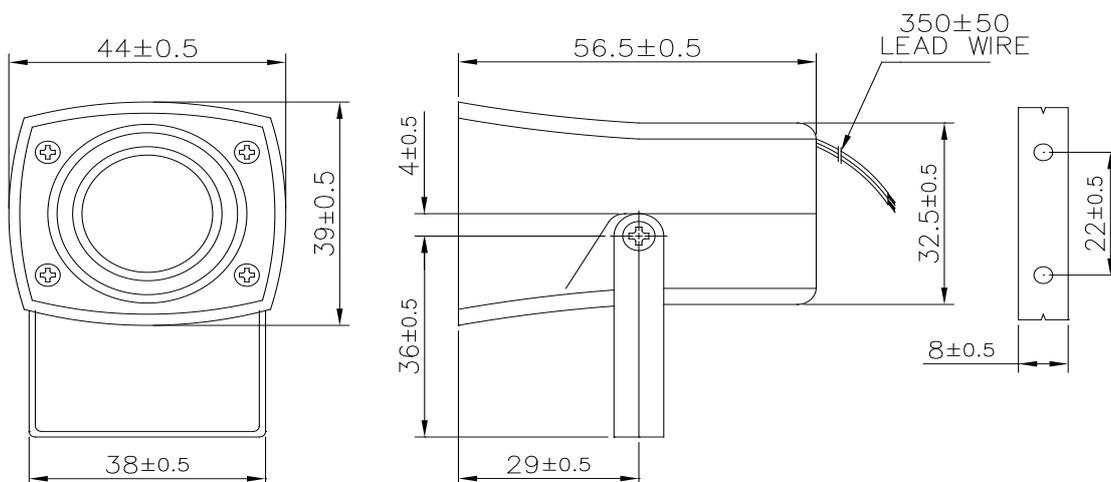
#### 1 . Electrical Characteristics

VER :3

Resonant Frequency (KHz)	1.5 ~ 4.0
Operating Voltage (Vdc)	5 ~ 15
Rated Voltage (Vdc)	12
Current Consumption (mA/max.)	200 at Rated Voltage
Sound Pressure Level (dB/min.)	105 at 100cm at Rated Voltage
Tone/Pulse Rate (Hz)	Sweep 4.5 ±20%
Operating Temperature (°C)	-20 ~ +70
Storage Temperature (°C)	-30 ~ +80

#### 2 . Dimensions and Material

##### 2-1 Shape



Unit : mm



## 2-2 Material

Housing	ABS 757 UL94HB plastic resin (Color : Black)
Leading Wire	20 AWG
Weight (Gram)	46

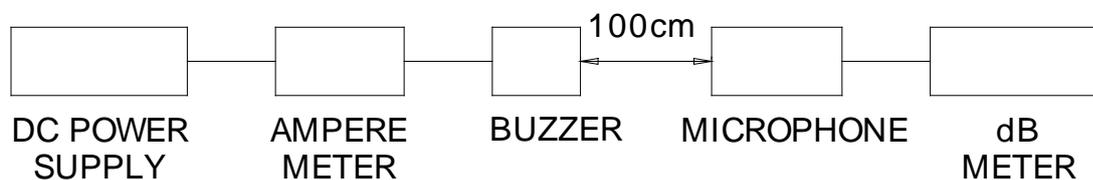
## 3. TESTING METHOD

### • *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.*





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## 4. RELIABILITY

<b>ITEMS</b>	<b>METHOD OF TEST AND MEASUREMENTS</b>	<b>PERFORMANCE</b>
<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>10sec on/10sec off ; 1000hours(180000 cycles)</i>	<i>No abnormality shall exist</i>
<i>Vibration withstanding</i>	<i>Linear vibrate frequency rate: 5~55Hz Time:180sec , applied in X, Y and Z directions for 3 times each.</i>	<i>No abnormality shall exist</i>

## 5. PACKAGE METHOD

- <1> One inner box consists of 1pcs.
- <2> 250pcs of PS-523AQ are packed in a carton box. (L\*W\*H=520\*335\*290mm)
- <3> N . W . : ; 11.5KGS ; G . W . : 15.9KGS ;
- <4> RoHS Mark: