

# HITPOINT

TEL:8862-26013311

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

## Piezo Electric Sounder PT-1550WQ

(RoHS)

DATE:2008.12.28

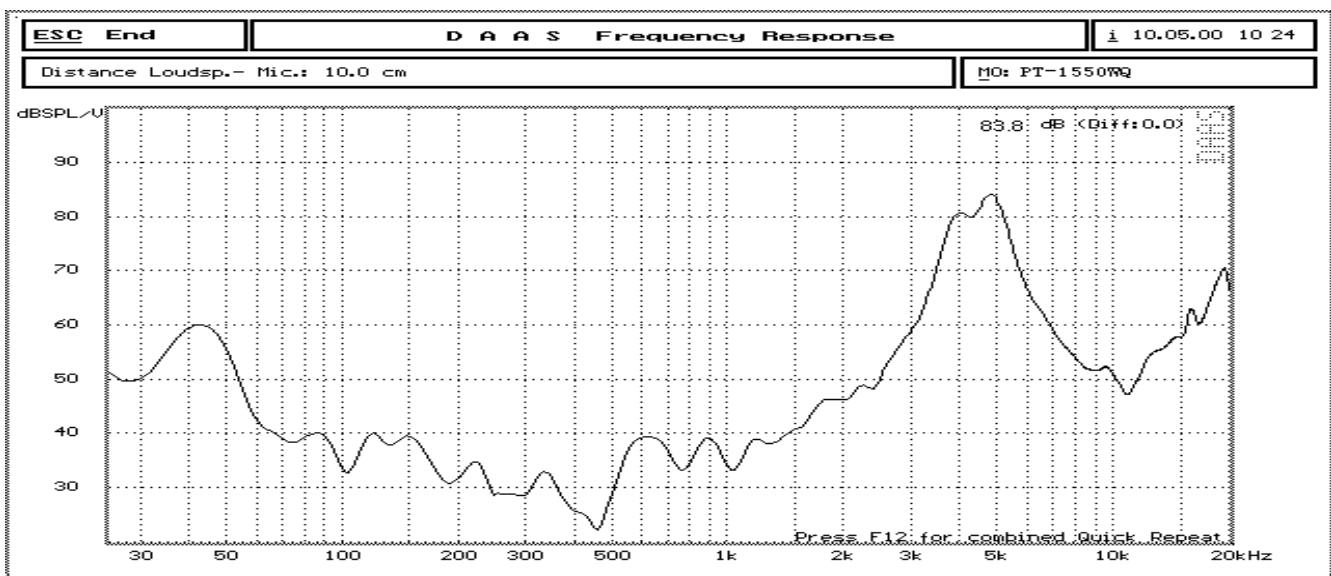
### 1 . Electrical Characteristics

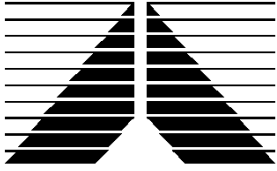
VER .:2

Resonant Frequency (KHz)	5.0 ±0.5
Operating Voltage (Vp-p/max)	25
Rated Voltage (Vp-p)	5.0
Current Consumption (mA/max)	1.5 at Rated Voltage
Sound Pressure Level (dB/min)	80 at 10cm at Rated Voltage
Capacitance (pF)	10,000 ± 30% at 120 Hz
Operating Temperature (°C)	-20 ~ +70
Storage Temperature (°C)	-30 ~ +80

PS : Vp-p=1/2duty , square wave

### 2 . Typical Frequency Response Curve





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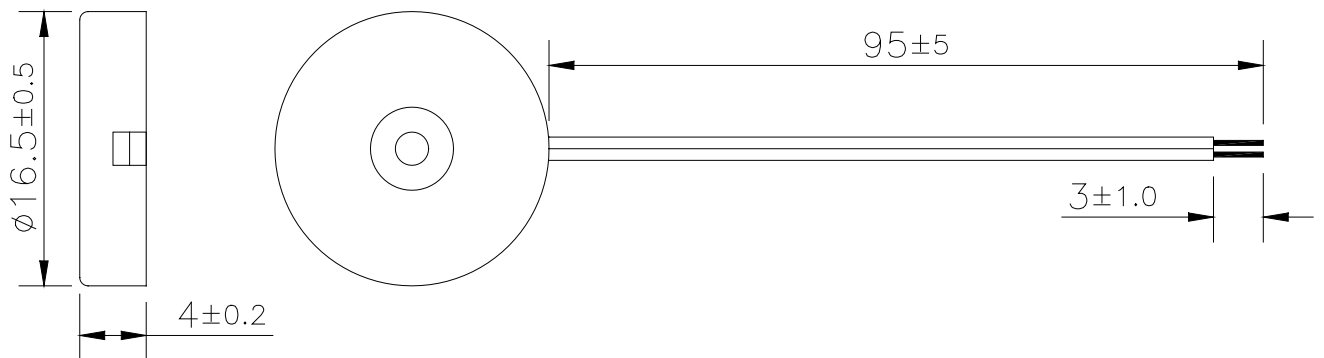
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### 3 . Dimensions and Material

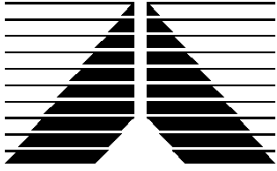
#### 3-1 Shape



Unit:mm

#### 3-2 Material

Housing	ABS 777D UL94HB plastic resin (Color : Black)
Leading Wire	32AWG (Red+Black)
Weight (Gram)	0.8



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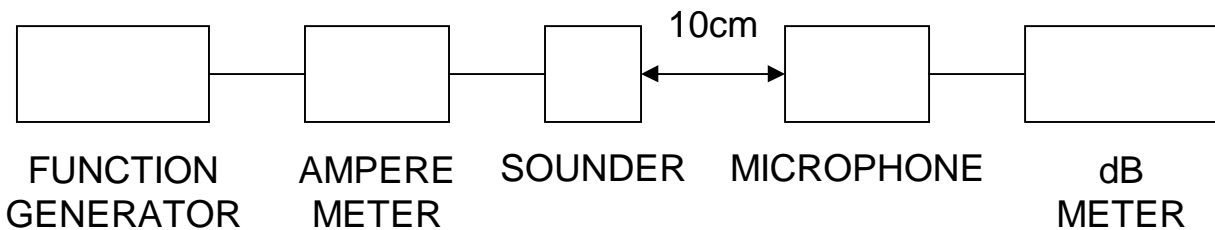
## 4. TESTING METHOD

- **Standard Measurement conditions**

Temperature:  $25 \pm 2$  °C Humidity: 45-60%

- **Acoustic Characteristics**

The oscillation frequency, current consumption and sound pressure are measured by the measuring instruments shown below.



## 5. RELIABILITY

ITEMS	METHOD OF TEST AND MEASUREMENTS	PERFORMANCE
Coldness withstanding	After 98 hours of being exposed to $-30$ °C environment, should be returned to normal environment for 2 hours, then re-proceed to test.	No abnormality shall exist
Hotness withstanding	After 98 hours of being exposed to $+80$ °C environment, should be returned to normal environment for 2 hours, then re-proceed to test.	No abnormality shall exist
Humidity withstanding	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.	No abnormality shall exist
Durability	Testing after 1,000 hours actual continuous operation. (at standard measurement conditions)	No abnormality shall exist
Drop withstanding	A natural drop from 75cm high down to the ground.	No abnormality shall exist
Vibration withstanding	Vibration of 2,000 cycles per minute, 2mm amplitude, applied in X, Y and Z directions for 30 minutes each.	No abnormality shall exist



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## **6. PACKAGE METHOD**

<1> One inner box is consist of 1000pcs.

<2> 10 inner box are packed in a carton box. (L\*W\*H=520\*335\*290mm)  
(10000pcs of PT-1550WQ are packed in a carton box.)

<3> N . W . : 11KGS ; G . W . : 12KGS

<4>RoHS Mark