



# HITPOINT

TEL:8862-26013311

FAX:8862-26013898

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

## PT-1250PQ

(RoHS)

DATE:2005.04.21

### 1 . Electrical Characteristics

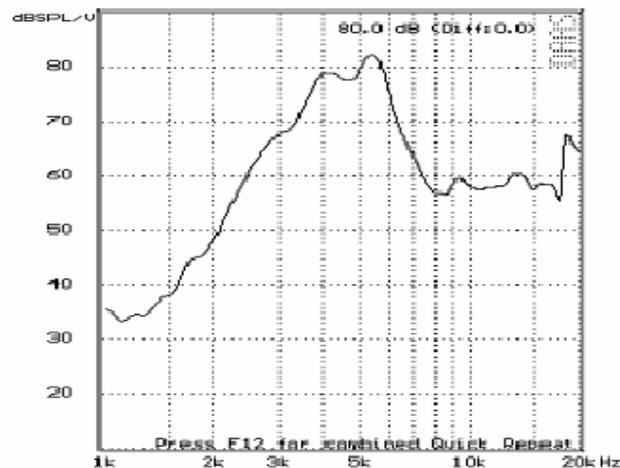
VER :1

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)	15,000 ± 30% at 120 HZ
Operating Temperature (°C)	-20 ~ +70
Storage Temperature (°C)	-30 ~ +80
Wave soldering conditions(°C)	245±5°C for 3±0.5 seconds.
Manual soldering conditions (°C)	350±20°C / within 5sec

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

### 2 . Typical Frequency Response Curve

ESC End	D A S Frequency Response	↓ 10.05.00 09 58
Distance Loudsp.= Mic.: 10.0 cm		10: PT-1250PQ





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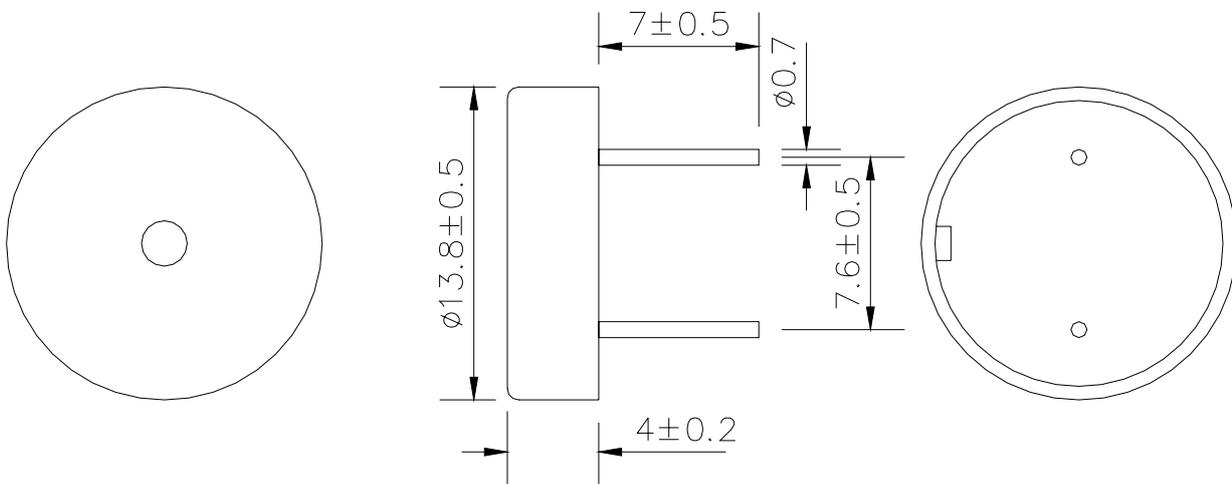
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### 3 . Dimensions and Material

#### 3-1 Shape



Unit : mm

#### 3-2 Material

Housing	ABS 757 UL94HB plastic resin (Color: Black)
Leading Pin	Tin Plated Brass
Weight (Gram)	0.6



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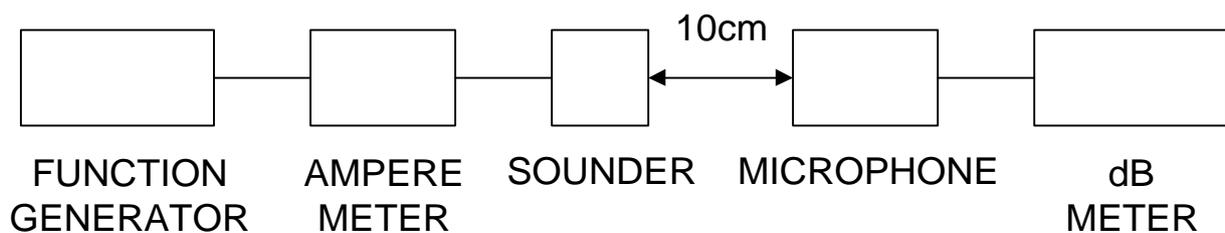
## 4. TESTING METHOD

### · *Standard Measurement conditions*

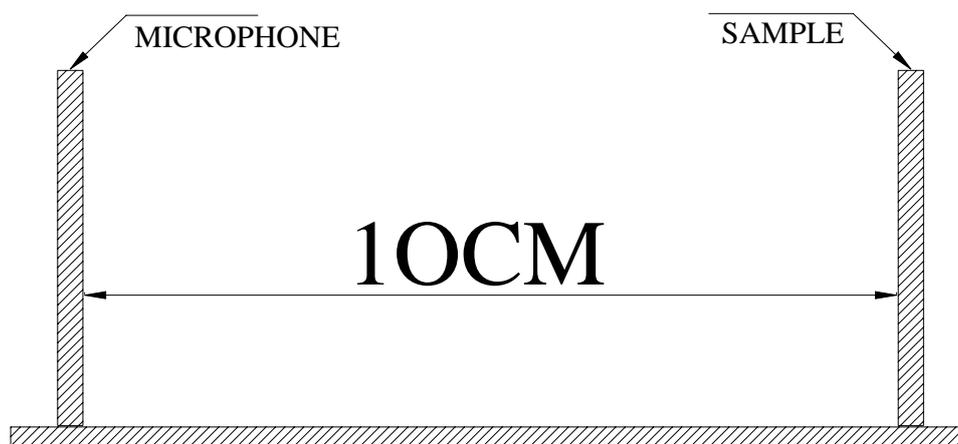
Temperature:  $25 \pm 2^\circ\text{C}$  Humidity: 45-60%

### · *Acoustic Characteristics*

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



In the measuring test, buzzers is placed as follows:





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## 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

## 6. PACKAGE METHOD

<1> 1200pcs per box , Total 10 boxes per carton , total 12000pcs carton;

Volume: L\*W\*H=510\*330\*300mm

< 3 > RoHS Mark

