



# HITPOINT

TEL: 8862-26013311

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

## PK-12N40PE-TQ

(RoHS)

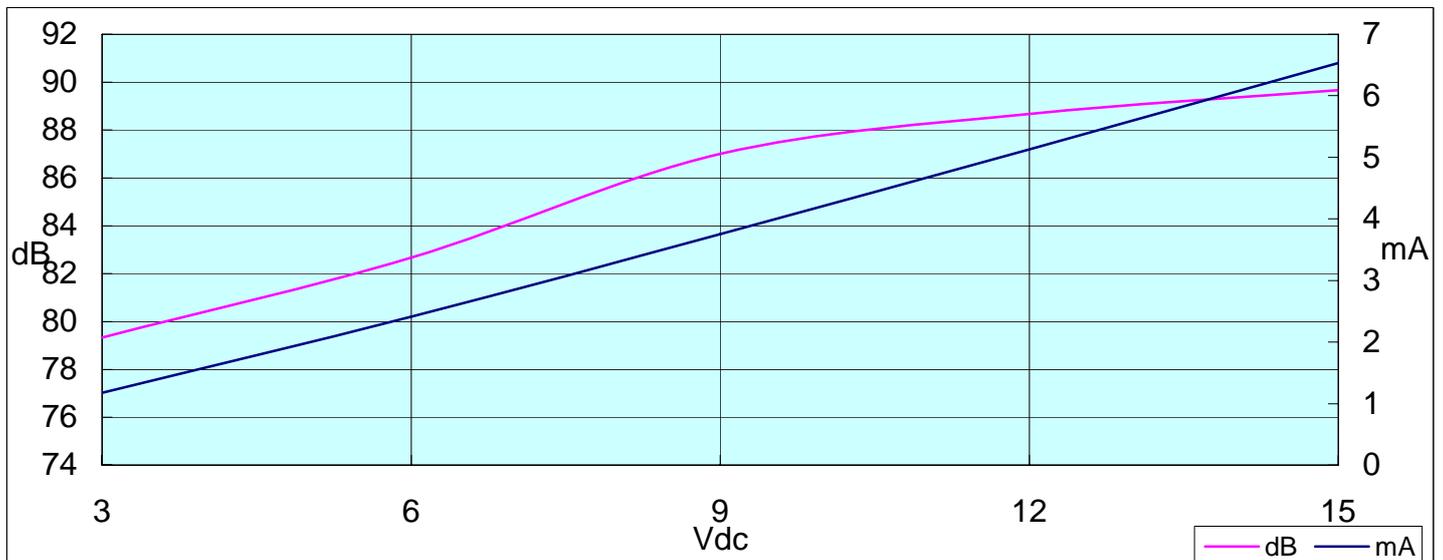
DATE:2004.12.01

### 1 . Electrical Characteristics

VER :.0

Oscillation Frequency (KHz)	4.1 ±0.5
Operating Voltage (Vdc)	3 ~ 15
Rated Voltage (Vdc)	12
Current Consumption (mA/max.)	10 at Rated Voltage
Sound Pressure Level (dB/min.)	83 at 10cm at Rated Voltage
Tone/Pulse Rate	Constant
Operating Temperature (°C)	-20 ~ +90
Storage Temperature (°C)	-30 ~ +100
Wave soldering conditions(°C)	245±5°C for 3±0.5 seconds.
Manual soldering conditions(°C)	350±20°C / within 5sec

### 2 . Voltage/ Current / Sound Pressure





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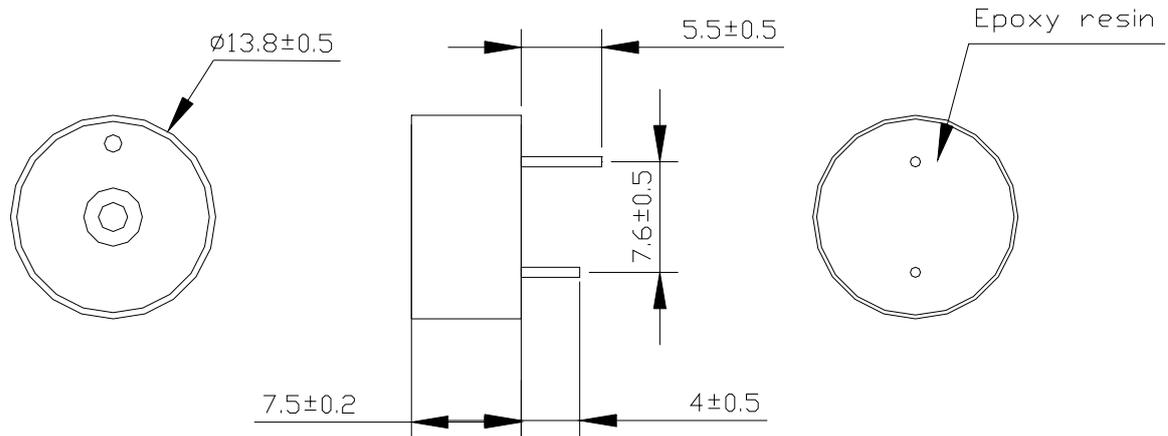
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### 3 . Dimensions and Material

#### 3-1 Shape



Unit : mm

#### 3-2 Material

Housing	PBT (Color : Black)
Leading Pin	Tin Plated Brass
Weight (Gram)	0.8



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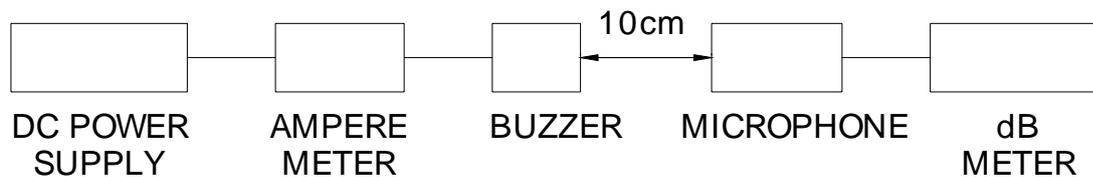
## 4. TESTING METHOD

### • *Standard Measurement conditions*

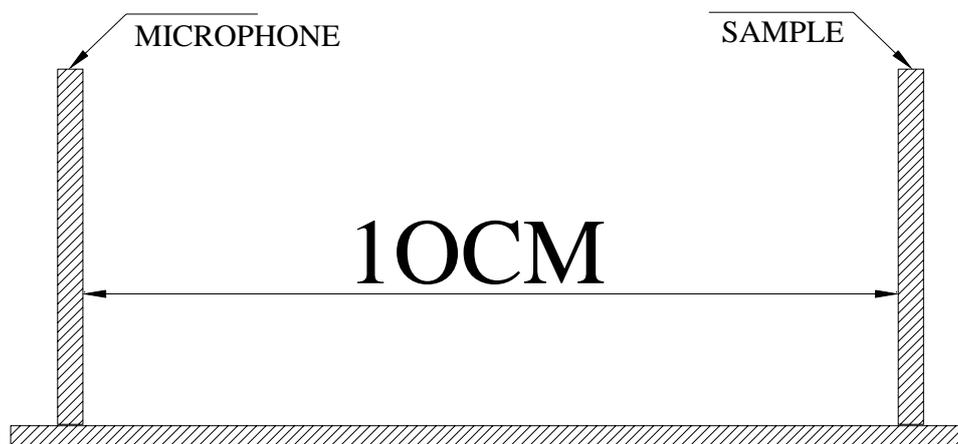
*Temperature: 25±2°C Humidity: 45-60%*

### • *Acoustic Characteristics*

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



*In the measuring test, buzzer 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 +100°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> 1600pcs per box , Total 4 boxes per carton , total 6400pcs carton;

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

<2> 1100pcs per box , Total 10 boxes per carton , total 11000pcs carton;

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

<3> 400pcs per box , Total 10 boxes per carton , total 4000pcs carton;

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

<4> RoHS Mark

