



# HITPOINT

TEL:8862-26013311

FAX:8862-26013898

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

## Piezo Electric Buzzer

### PK-16N40P-12Q

(RoHS)

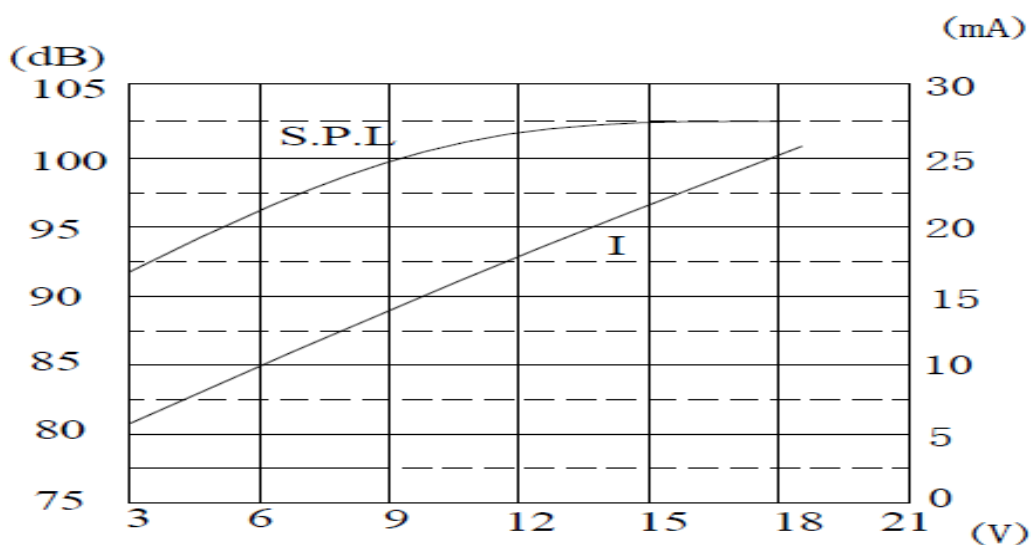
DATE:2012.07.06

#### 1 . Electrical Characteristics

VER.: 2

Oscillation Frequency (Hz)	4000± 500	
Operating Voltage (Vdc)	1 ~ 18	
Rated Voltage (Vdc)	12	
Current Consumption (mA/max)	40 at Rated Voltage	
Sound Pressure Level (dB/min)	98 at 10cm at Rated Voltage	
Tone/Pulse Rate	Constant	
Operating Temperature (°C)	-30 ~ +85	
Storage Temperature (°C)	-40 ~ +85	
Condition by wave ( °C)	260±5	°C/within 4
Condition by hand ( °C)	350±20	°C /within

#### 2 . Typical Frequency Response Curve



Remark:S.P.L (Sound Pressure Level) 聲壓 I (Current) 電流



# HITPOINT

TEL:8862-26013311

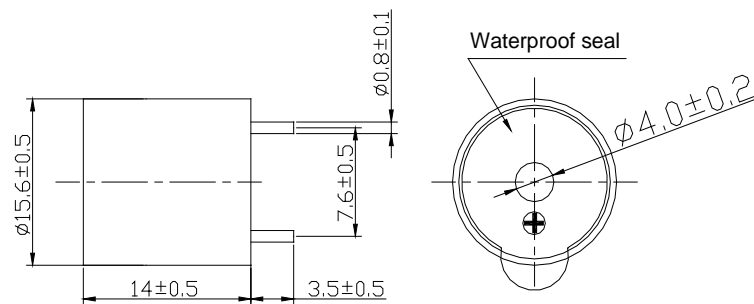
FAX:8862-26013898

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

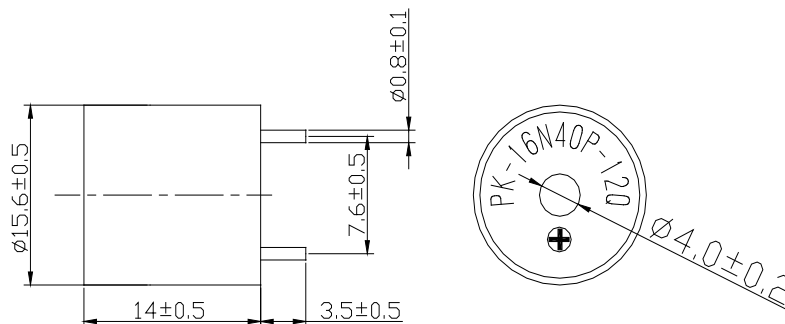
### 3 . Dimensions and Material

#### 3-1 Shape

Before remove waterproof seal



After remove waterproof seal



Unit : mm

#### 3-2 Weight and Material

Weight (Gram)	2.5
---------------	-----



# HITPOINT

TEL:8862-26013311

FAX:8862-26013898

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

Part No.	Part Name	Q'TY	Material	Remark
1	PCB	1	Epoxy Board	
2	Housing	1	Black PBT	
3	Piezo element	1	Brass	
4	Epoxy		Resin	
5	Lead pin	2	Red Copper (DSn)	
6	Masking label	1	paper	

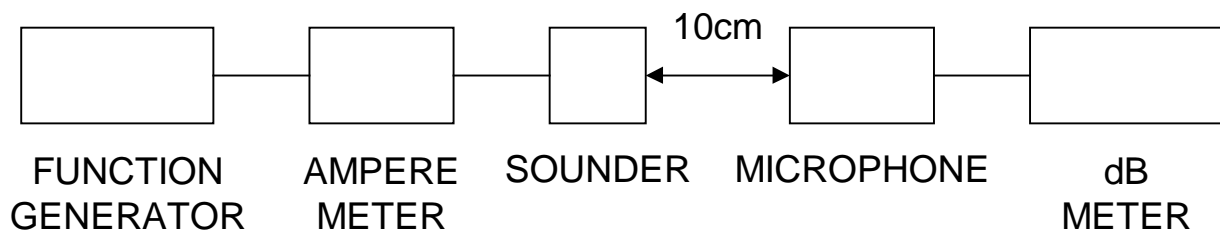
## 4. TESTING METHOD

### · *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.*





# HITPOINT

TEL:8862-26013311

FAX:8862-26013898

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

## 5. 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 +85 °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>Testing after 1,000 hours actual continuous operation. (at standard measurement conditions)</i>	<i>No abnormality shall exist</i>
<i>Drop withstanding</i>	<i>A natural drop from 75cm high down to the ground.</i>	<i>No abnormality shall exist</i>
<i>Vibration withstanding</i>	<i>Vibration of 2,000 cycles per minute, 2mm amplitude, applied in X, Y and Z directions for 30 minutes each.</i>	<i>No abnormality shall exist</i>

## 6. PACKAGE METHOD

<1> 50pcs per box , Total 40 boxes per carton , total 2000pcs carton;

Volume: L\*W\*H=520\*335\*290mm

< 2>Net weight : 5.0KGS ; Gross weight : 6.2KGS ;

< 3 > RoHS Mark: