

# Piezo Electric Buzzer

## PK-12N40PEDBQ

(RoHS)

DATE:2014.09.18

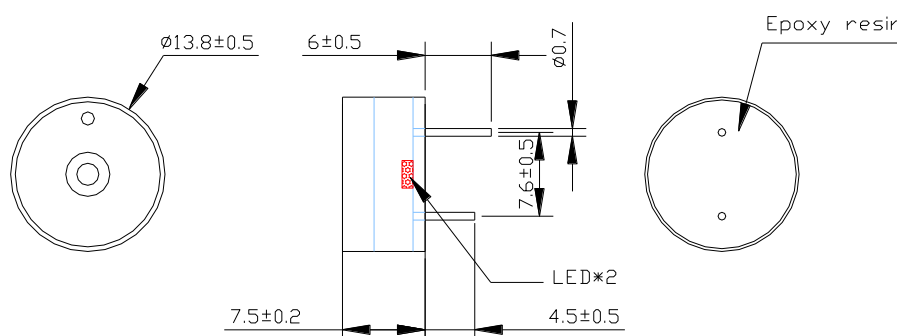
### 1 . Electrical Characteristics

VER .:3

Oscillation Frequency (KHz)	4.1 ±0.5
Operating Voltage (Vdc)	3.5 ~ 15
Rated Voltage (Vdc)	12
Current Consumption (mA/max.)	12 at Rated Voltage
Sound Pressure Level (dB/min.)	83 at 10cm at Rated Voltage
Tone/Pulse Rate	Constant
LED Colour	BLUE
Operating Temperature (°C)	-20 ~ +100
Storage Temperature (°C)	-30 ~ +110
Condition by wave (°C)	260±5°C / within 5sec
Condition by hand (°C)	350±20°C / within 5sec

### 2 . Dimensions and Material

#### 2-1Shape



Unit : mm

## 22 Material

Housing	PBT (Color : Hyaline)
Leading Pin	Tin Plated Brass
Weight (Gram)	1.0

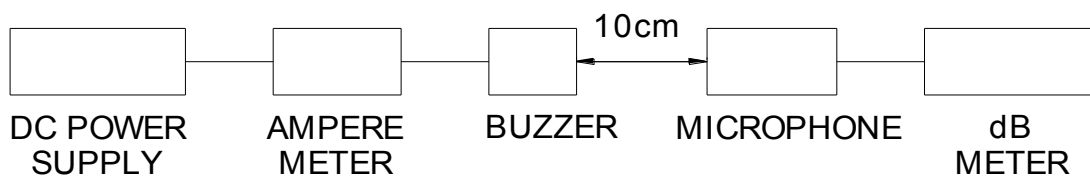
## 3 TESTING METHOD

### . *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.*



#### 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 +110 °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>

#### 5 PACKAGE METHOD

<1> 1600pcs per box , total 4 boxes per carton , total 6400pcs per carton;

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

<2> N . W . : 3.2KGS ; G . W . : 5.2KGS

< 3 > RoHS Mark