

# Piezo Electric Buzzer

## PK-27A35EPDBQ

(RoHS)

DATE:2012-3-8

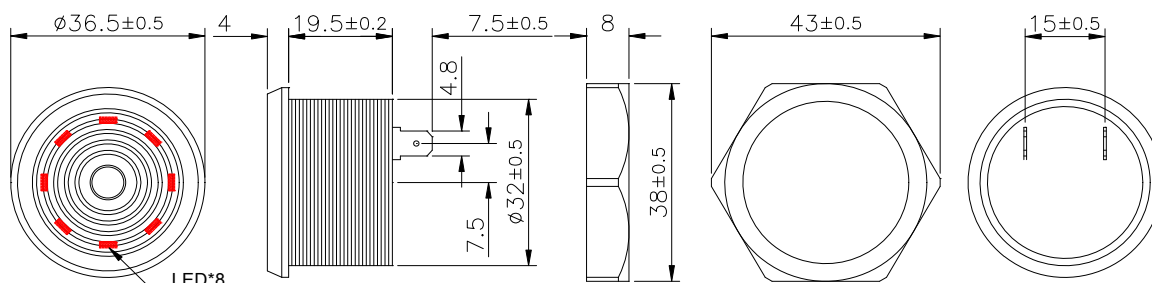
### 1 . Electrical Characteristics

VER.:0

Oscillation Frequency (KHz)	3.5 ±0.5
Operating Voltage (Vdc)	3 ~ 15
Rated Voltage (Vdc)	12
Current Consumption (mA/max.)	18 at Rated Voltage
Sound Pressure Level (dB/min.)	95 at 30cm at Rated Voltage
Tone/Pulse Rate	Constant
LED Colour	BLUE
Operating Temperature (°C)	-20 ~ +70
Storage Temperature (°C)	-30 ~ +80

### 2 . Dimensions and Material

#### 2-1 Shape



Unit : mm

## 2-2 Material

Housing	ABS 757 UL94HB plastic resin (Color : Hyaline)
Leading Pin	Tin Plated Brass
Weight (Gram)	21

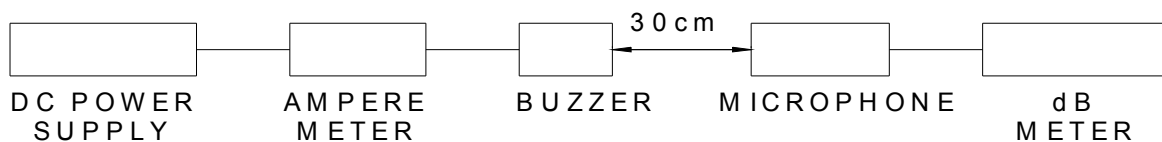
## 3. TESTING METHOD

- **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.



#### 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 +80 °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> 50pcs per box , Total 10 boxes per carton , total 500pcs per carton;

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

< 2 > N . W . : ; 11KGS ; G . W . : 13KGS ;

< 3 > RoHS Mark