



# HITPOINT

TEL:8862-26013311

FAX:8862-26013898

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

## Piezo Electric Buzzer

### PFD-27N36PQ

(ROHS)

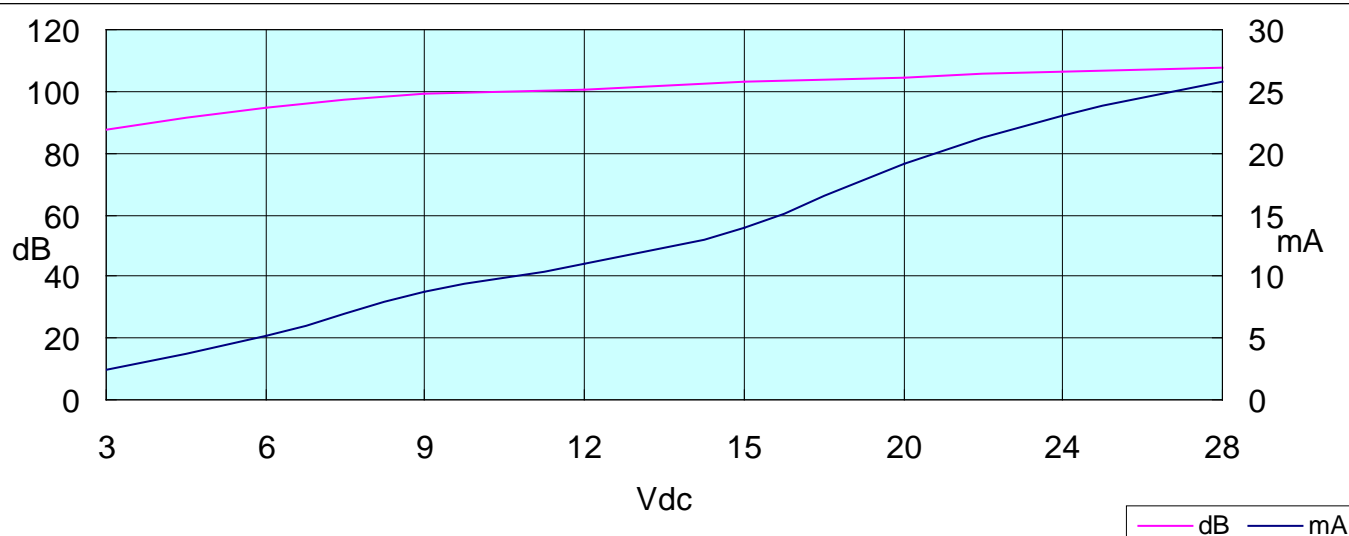
DATE:2009.07.05

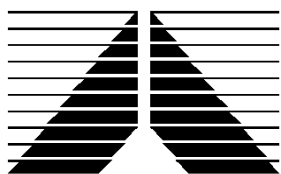
#### 1 . Electrical Characteristics

VER 2

Oscillation Frequency (KHz)	3.5 ±0.5
Operating Voltage (Vdc)	3 ~ 28
Rated Voltage (Vdc)	12
Current Consumption (mA/max.)	15 at Rated Voltage
Sound Pressure Level (dB/min.)	90 at 30cm at Rated Voltage
Tone/Pulse Rate (Hz)	Constant + Fast Pulse 3.0 ±20% at Rated Voltage
Operating Temperature (°C)	-20 ~ +90
Storage Temperature (°C)	-30 ~ +100
Condition by wave (°C)	260±5°C / within 5sec
Condition by hand (°C)	350±20°C / within 5sec

#### 2 . Voltage/ Current / Sound Pressure





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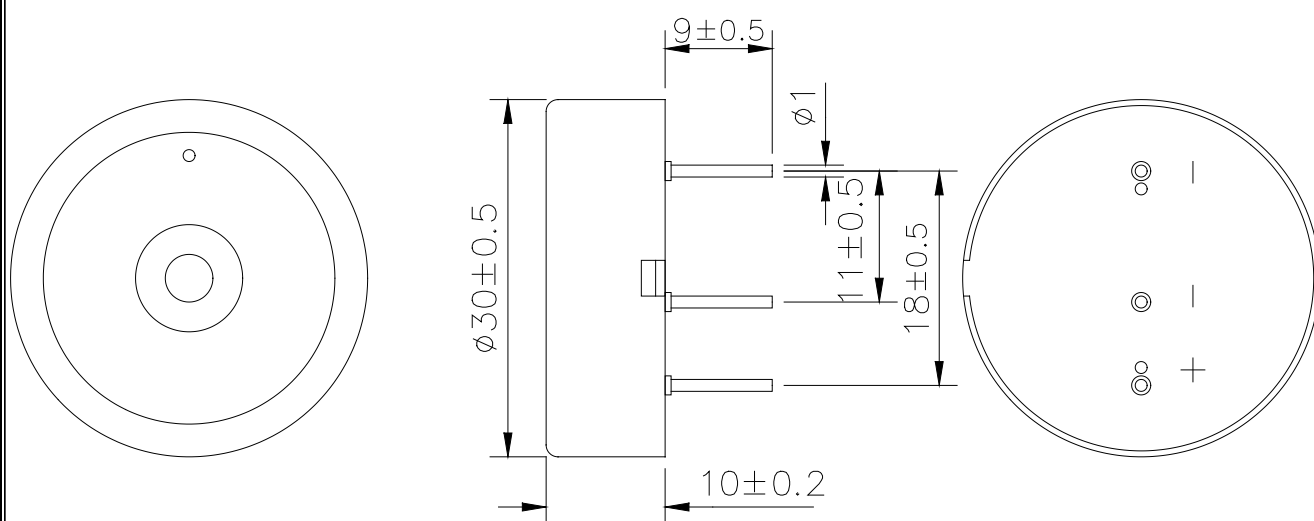
862-26013311

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## 3 . Dimensions and Material

### 3-1 Shape



Unit : mm

### 3-2 Material

Housing	ABS 777D UL94HB plastic resin (Color : Black)
Leading Pin	Tin Plated Brass
Weight (Gram)	5.4



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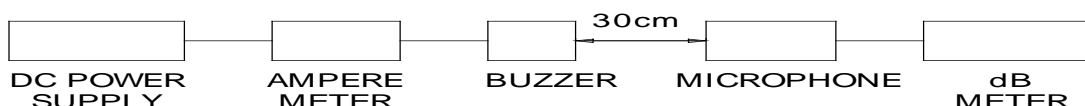
## 4. TESTING METHOD

### • **Standard Measurement conditions**

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

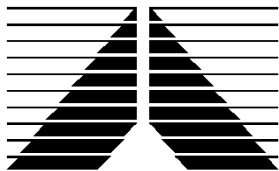
### • **Acoustic Characteristics**

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



## 5. RELIABILITY

ITEMS	METHOD OF TEST AND MEASUREMENTS	PERFORMANCE
Coldness withstanding	After 98 hours of being exposed to $-30^{\circ}\text{C}$ 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 $+100^{\circ}\text{C}$ 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 $40^{\circ}\text{C}$ 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



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## **6. PACKAGE METHOD**

< 1 > 160pcs per box , Total 10 boxes per carton , total 1600pcs carton;

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

< 2 > N . W . : 8.6KGS ; G . W . : 10.6KGS ;

< 3 > RoHS Mark: