



# HITPOINT

TEL:8862-26013311

FAX:8862-26013898

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

## Piezo Electric Buzzer

### PF-27N25PQ

(RoHS)

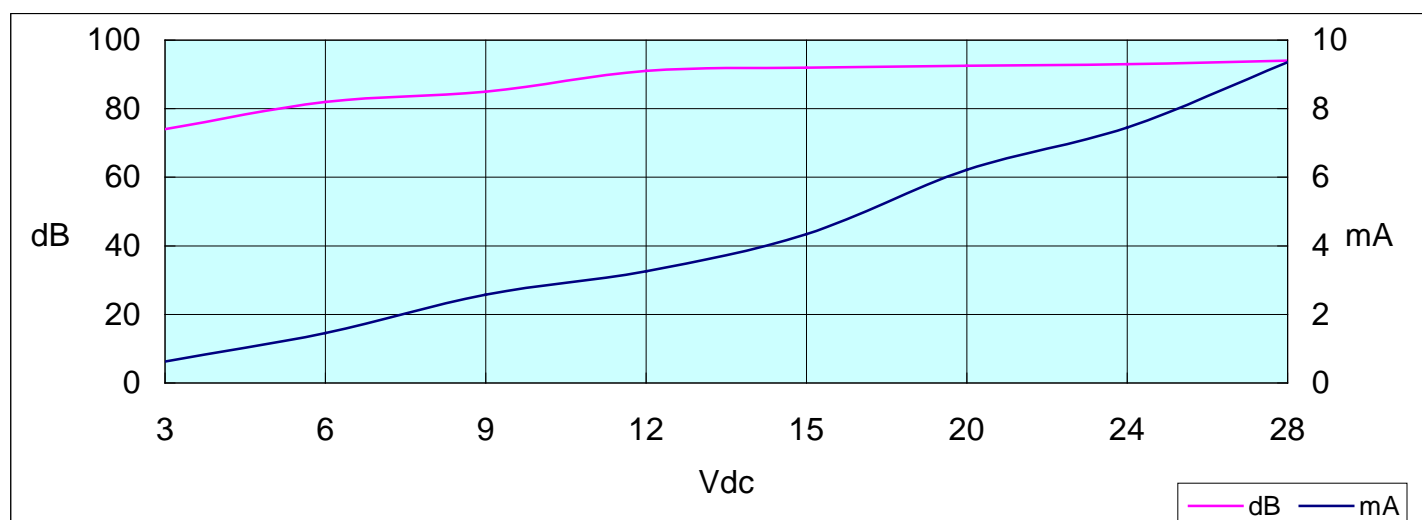
DATE:2009.07.05

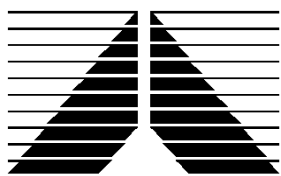
#### 1 . Electrical Characteristics

VER.:2

Oscillation Frequency (KHz)	2.5 $\pm$ 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)	Fast Pulse 3.0 $\pm$ 20% at Rated Voltage
Operating Temperature (°C)	-20 ~ +70
Storage Temperature (°C)	-30 ~ +80
Condition by hand (°C)	350 $\pm$ 20°C / within 5sec

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





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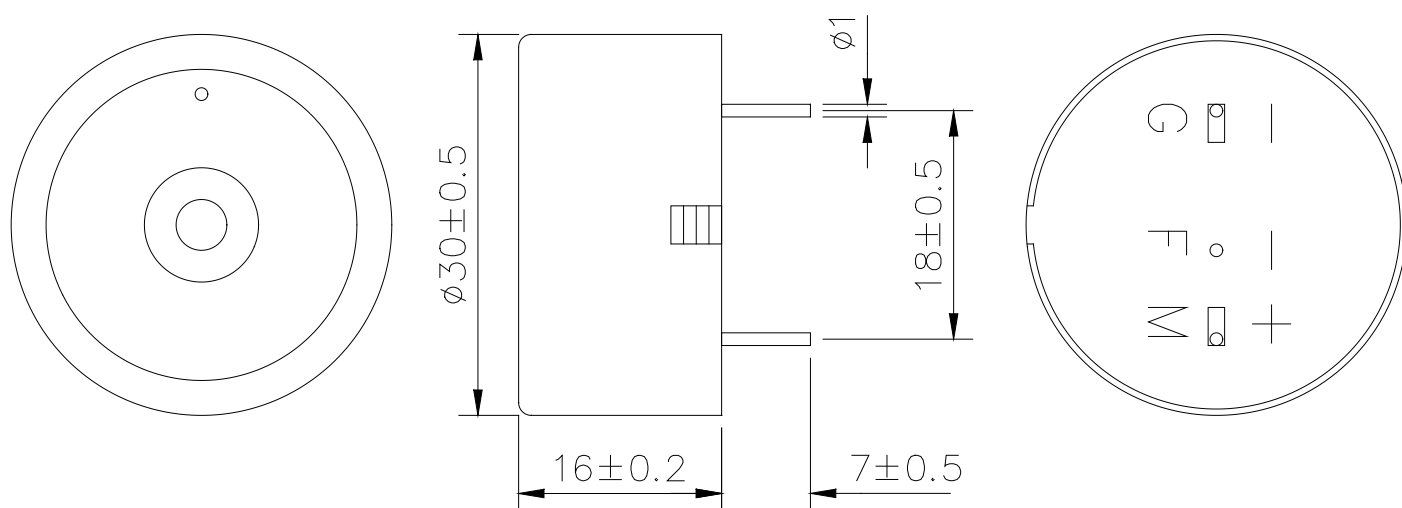
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## 3 . Dimensions and Material

### 3-1 Shape



Unit : mm

### 3-2 Material

Housing	ABS 757 UL94HB plastic resin (Color : Black)
Leading Pin	Tin Plated Brass
Weight (Gram)	7.2



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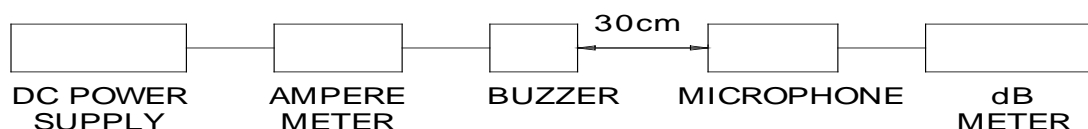
## 4. TESTING METHOD

### • *Standard Measurement conditions*

*Temperature:25±2 °C Humidity:45-60%*

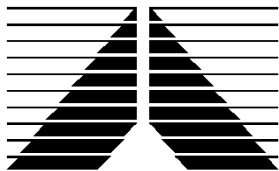
### • *Acoustic Characteristics*

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



## 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 +80 °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



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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 . : 11.5KGS ; G . W . : 13.5KGS ;

<3> RoHS Mark