



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-20N38PQ

(RoHS)

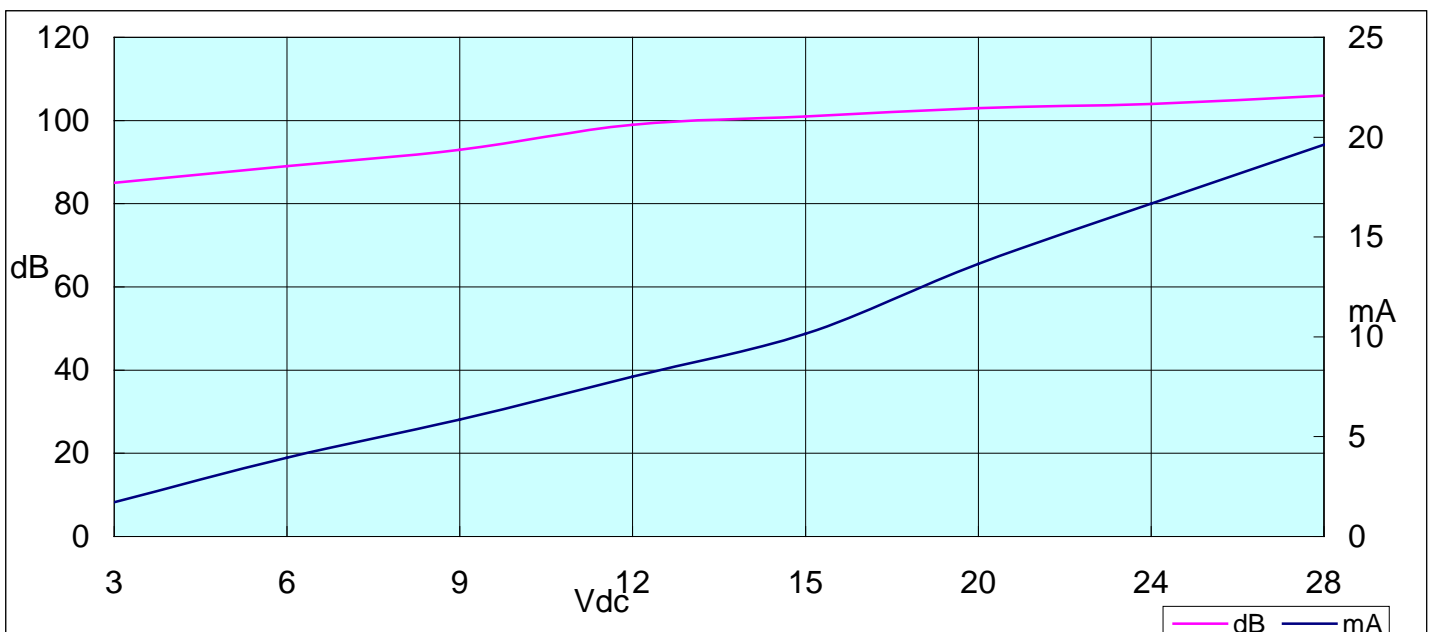
DATE:2009.05.25

1 . Electrical Characteristics

VER.:3

Oscillation Frequency (KHz)	3.8 ±0.5
Operating Voltage (Vdc)	3 ~ 28
Rated Voltage (Vdc)	12
Current Consumption (mA/max.)	12 at Rated Voltage
Sound Pressure Level (dB/min.)	85 at 30cm at Rated Voltage
Tone/Pulse Rate	Constant
Operating Temperature (°C)	-20 ~ +70
Storage Temperature (°C)	-30 ~ +80
Condition by hand (°C)	350±20°C / within 5sec

2 . Voltage/ Current / Sound Pressure





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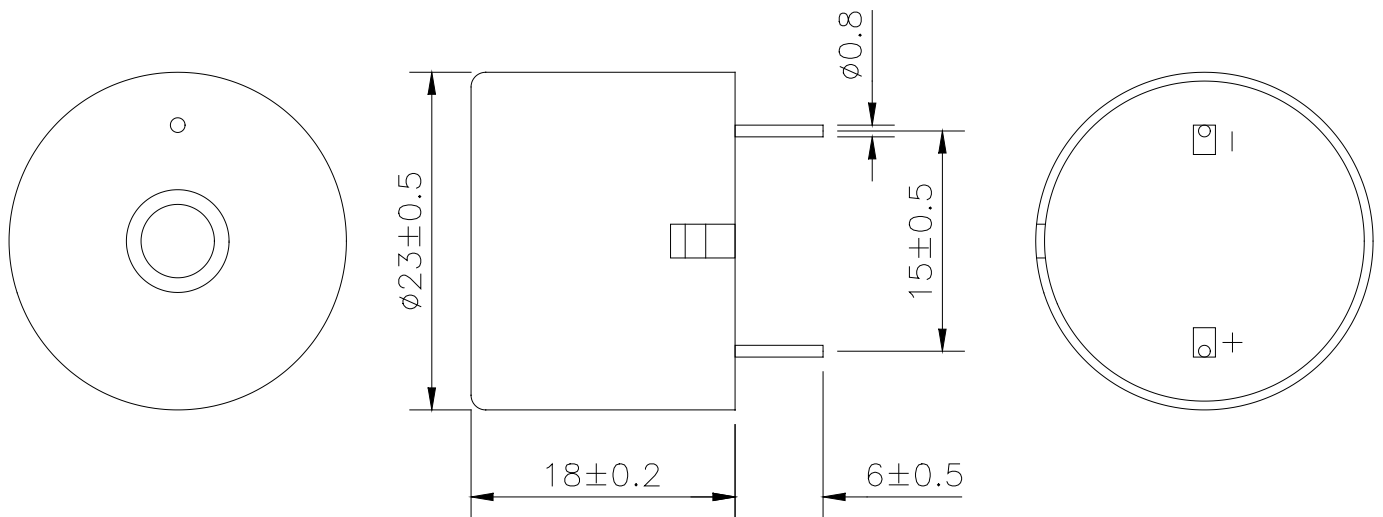
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3 . Dimensions and Material

3-1 Shape



Unit : mm

3-2 Material

Housing	ABS 757 plastic resin (Color : Black)
Leading Pin	Tin Plated Brass
Weight (Gram)	3.8



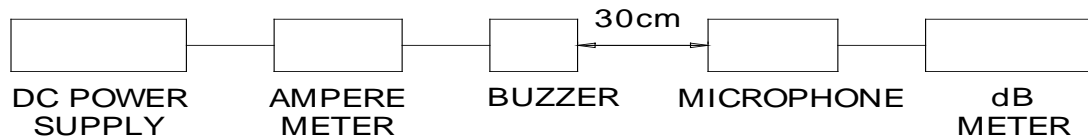
4. TESTING METHOD

· *Standard Measurement conditions*

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

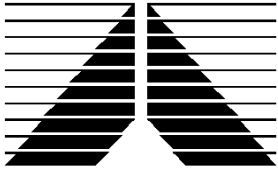
· *Acoustic Characteristics*

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
<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 $+80^\circ\text{C}$ 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>



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6. PACKAGE METHOD

<1> 100pcs per box , Total 10 boxes per carton , total 1000pcs per carton;

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

<2> N . W . : 3.8KGS ; G . W . : 5.8KGS

<3>RoHS Mark