



HITPOINT

TEL:8862-26013311

FAX:8862-26013898

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

PB-12N23P-12Q

(RoHS)

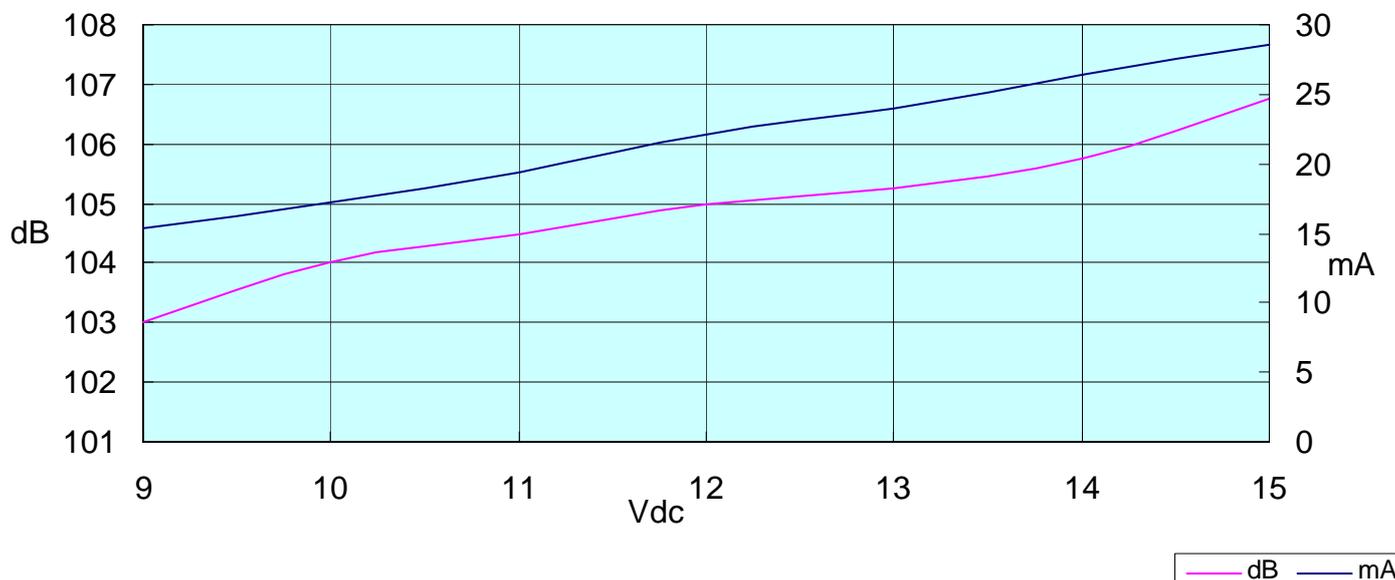
DATE:2005.01.21

1 . Electrical Characteristics

VER.: 0

Oscillation Frequency (KHz)	2.3 ± 0.4
Operating Voltage (Vdc)	9.0 ~ 15
Rated Voltage (Vdc)	12
Current Consumption (mA/max)	50 at Rated Voltage
Sound Pressure Level (dB/min)	85 at 10cm at Rated Voltage
Tone/Pulse Rate	Constant
Operating Temperature (°C)	-20 ~ +70
Storage Temperature (°C)	-30 ~ +80
Wave soldering conditions	245±5°C for 3±0.5 seconds.
Manual soldering conditions	350±20°C / within 5sec

2 . Voltage/ Current / Sound Pressure





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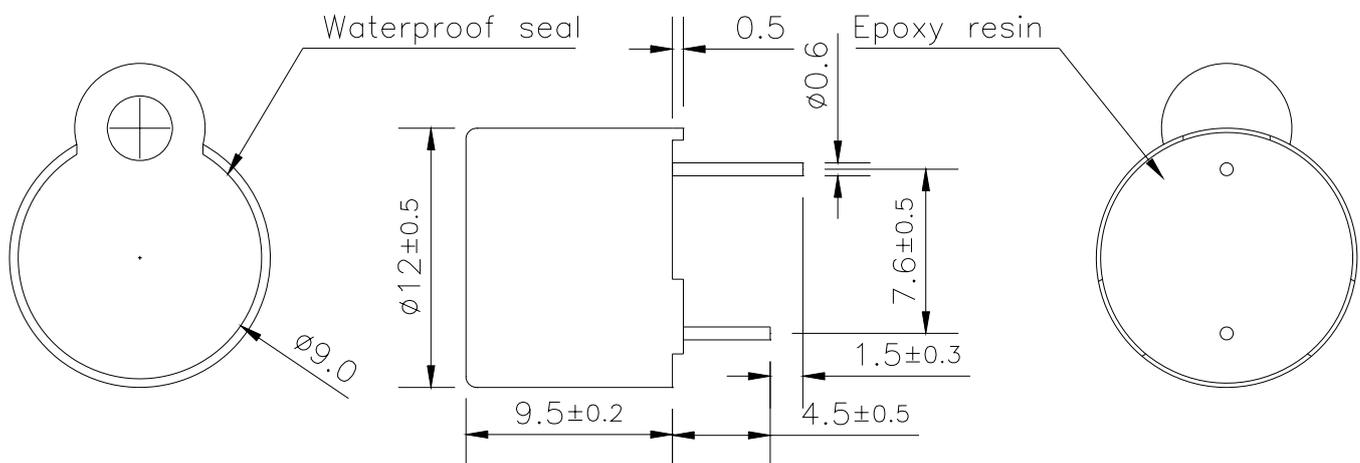
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3 . Dimensions and Material

3-1 Shape



Unit : mm

3-2 Material

Housing	PPO plastic resin (Color : Black)
Leading Pin	Tin Plated Brass
Weight (Gram)	1.8



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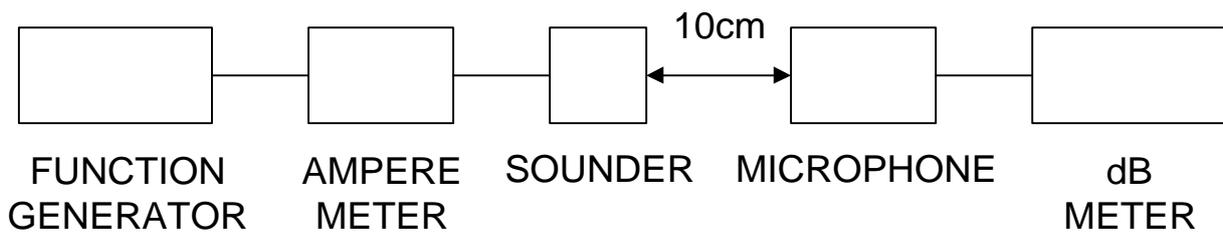
4. TESTING METHOD

• *Standard Measurement conditions*

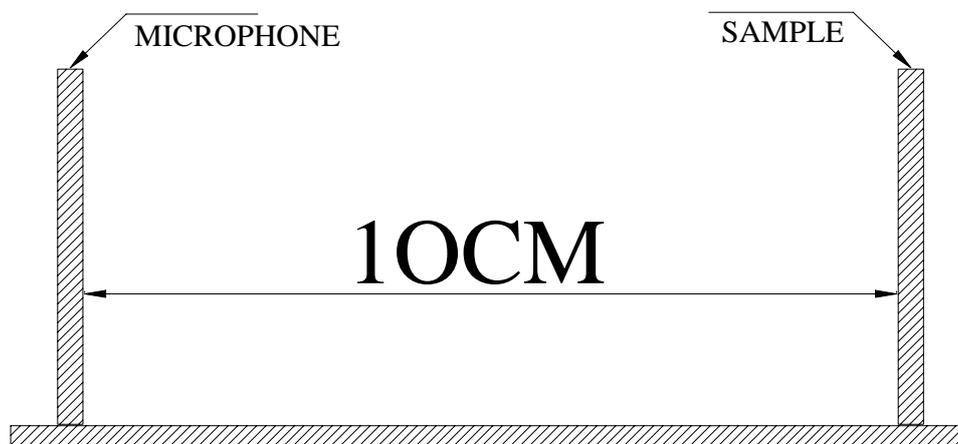
Temperature:25±2°C Humidity:45-60%

• *Acoustic Characteristics*

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



In the measuring test, buzzers is placed as follows:





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5. RELIABILITY

ITEMS	METHOD OF TEST AND MEASUREMENTS	PERFORMANCE
<i>Coldness withstanding</i>	<i>After 98 hours of being exposed to -30℃ 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℃ 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℃ 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>

6. PACKAGE METHOD

<1> 100pcs per box , Total 10 boxes per carton , total 1000pcs carton;
Volume: L*W*H=510*330*300mm

< 2 > RoHS Mark

