EN: This Datasheet/Document is presented by the manufacturer.

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HITPOINT

TEL:8862-26013311
FAX:8862-26013898

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

PK-12N40PAQ

(ROHS)

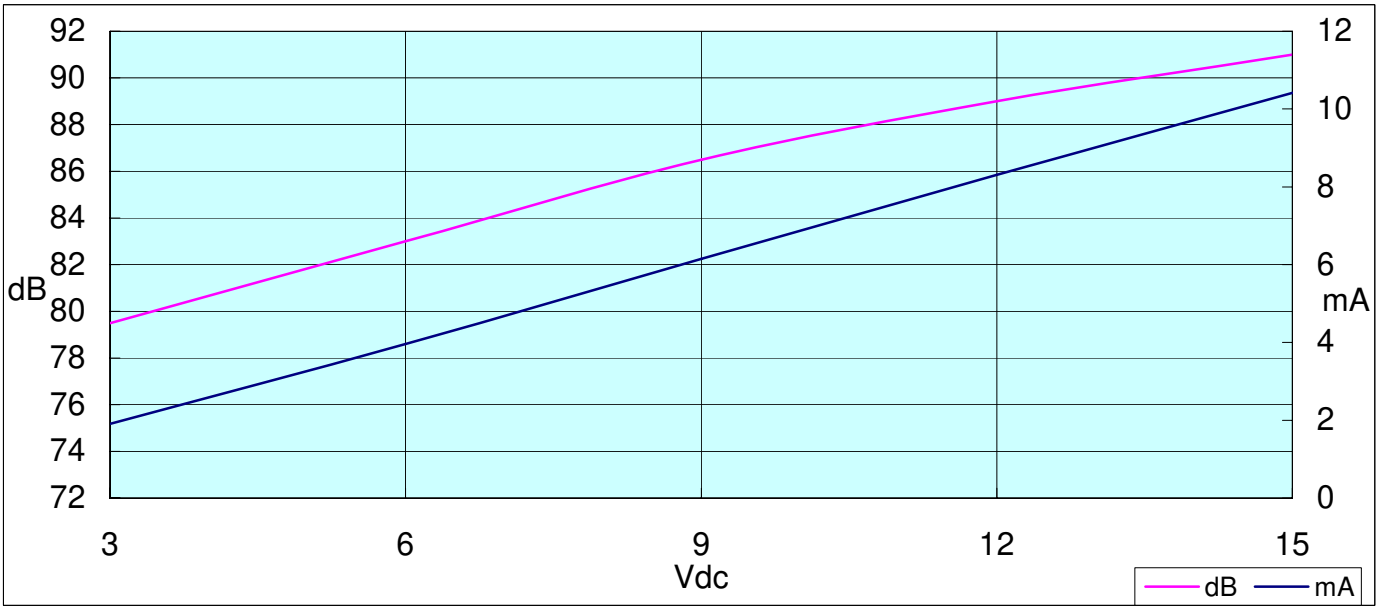
DATE:2005.01.10

1．Electrical Characteristics

VER .:0

Oscillation Frequency (KHz)	4.1 ±0.5
Operating Voltage (Vdc)	3 ~ 15
Rated Voltage (Vdc)	12
Current Consumption (mA/max.)	10 at Rated Voltage
Sound Pressure Level (dB/min.)	83 at 10cm at Rated Voltage
Tone/Pulse Rate	Constant
Operating Temperature (℃)	-20 ~ +70
Storage Temperature (℃)	-30 ~ +80
Wave soldering conditions	245±5℃ for 3±0.5 seconds.
Manual soldering conditions	350±20℃ / within 5sec

2．Voltage/ Current / Sound Pressure



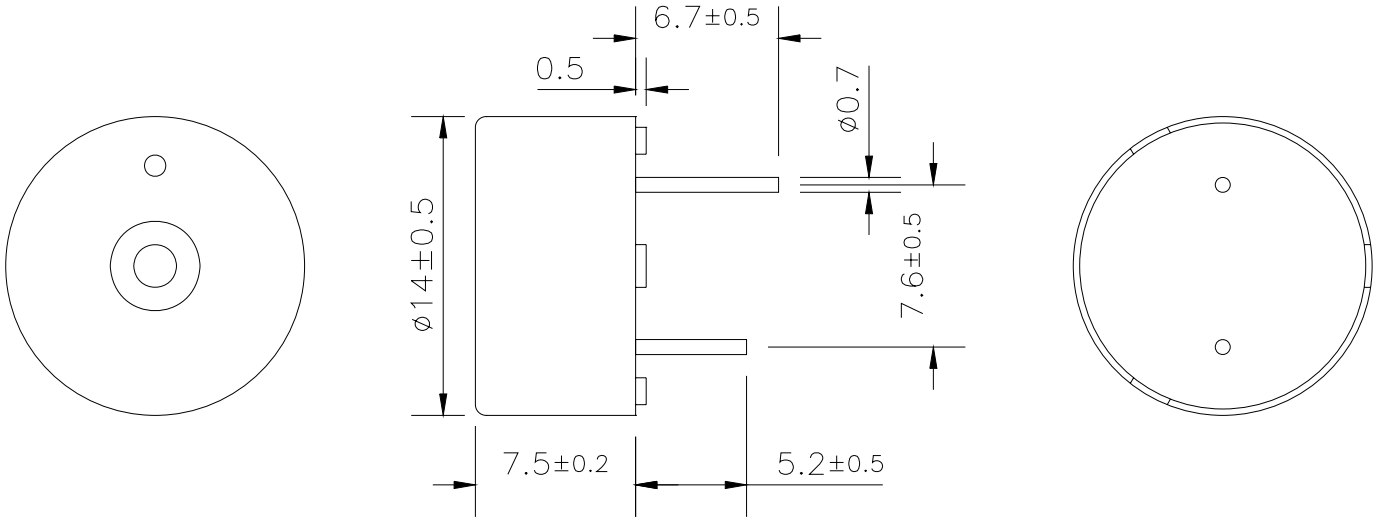
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3 . Dimensions and Material

3-1 Shape



Unit : mm

3-2 Material

Housing	ABS 777D UL94HB plastic resin (Color : Black)
Leading Pin	Tin Plated Brass
Weight (Gram)	0.8

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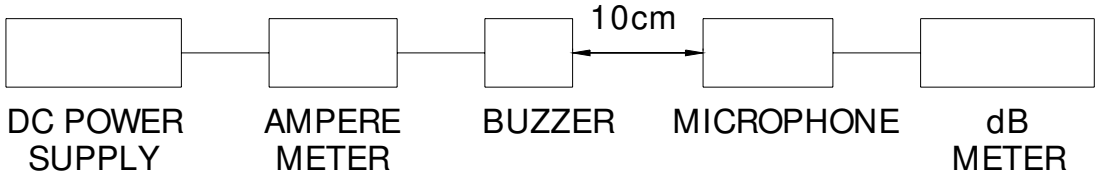
4. TESTING METHOD

· *Standard Measurement conditions*

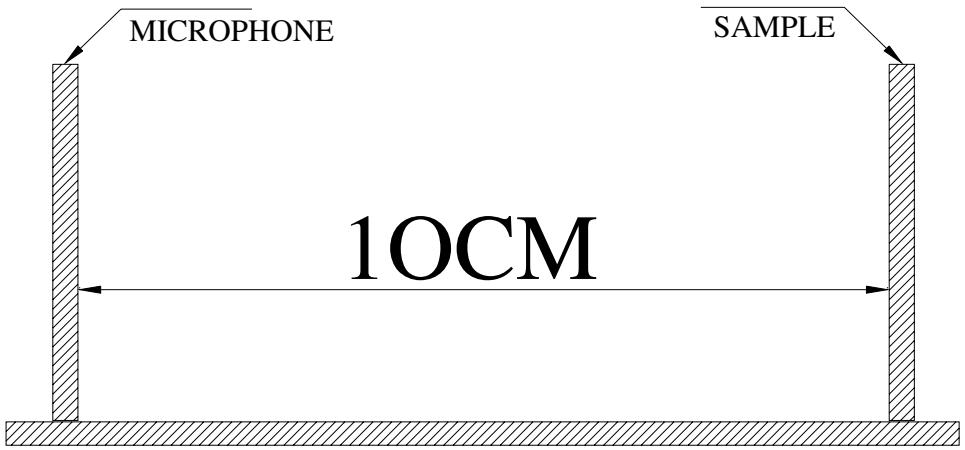
Temperature:25±2℃ Humidity:45-60%

· *Acoustic Characteristics*

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



In the measuring test, buzzer is placed as follows:



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5. RELIABILITY

ITEMS	***METHOD OF TEST AND MEASUREMENTS***	***PERFORMANCE***
Coldness withstanding	*After 98 hours of being exposed to -30℃ 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℃ 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℃ 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*

6. PACKAGE METHOD

＜1＞ One inner box consists of 1200pcs.

*＜2＞ 10 inner boxes are packed in a carton box. (L*W*H=510*330*300mm)*
(12000pcs of PK-12N40PAQ are packed in a carton box.)

< 3 > RoHS Mark

