



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-12N40PE-TQ

(RoHS)

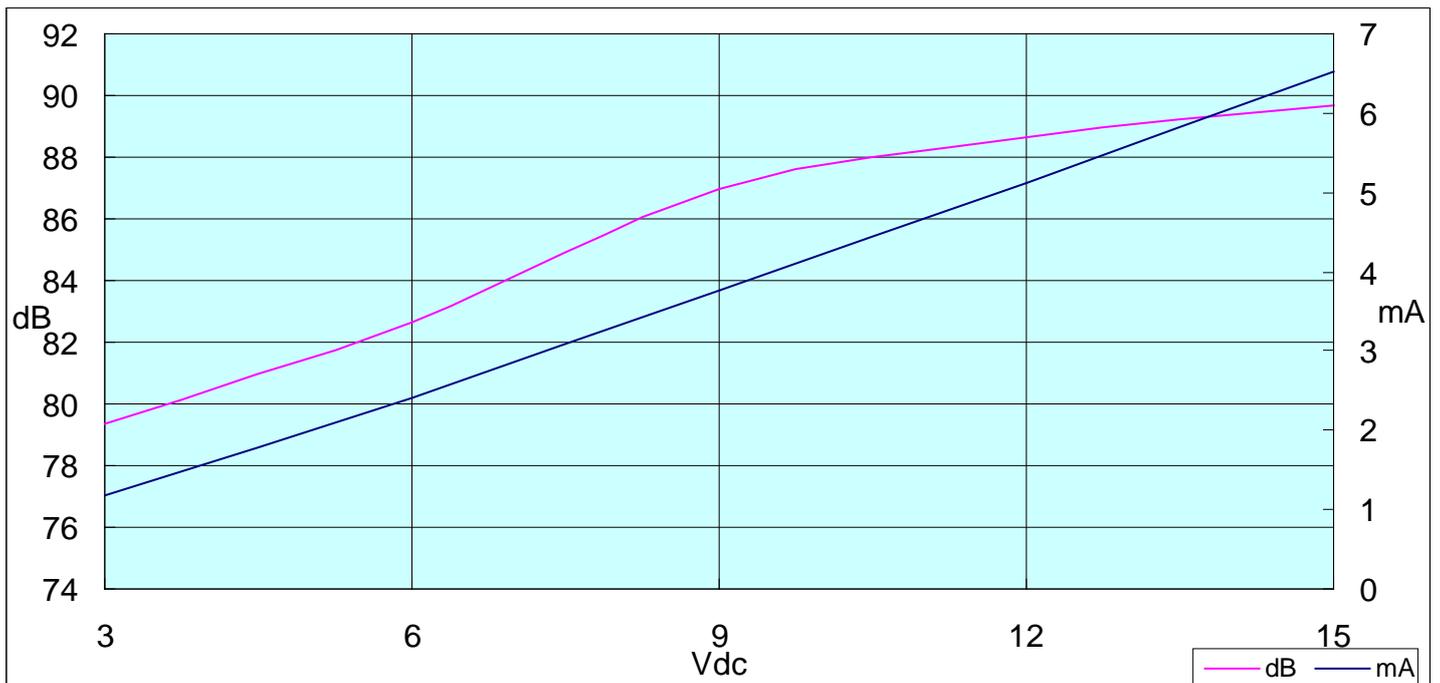
DATE:2009.05.25

1 . Electrical Characteristics

VER.:3

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 (°C)	-20 ~ +100
Storage Temperature (°C)	-30 ~ +110
Condition by wave (°C)	260±5 °C /with
Condition by hand (°C)	350±20 °C /with

2 . Voltage/ Current / Sound Pressure





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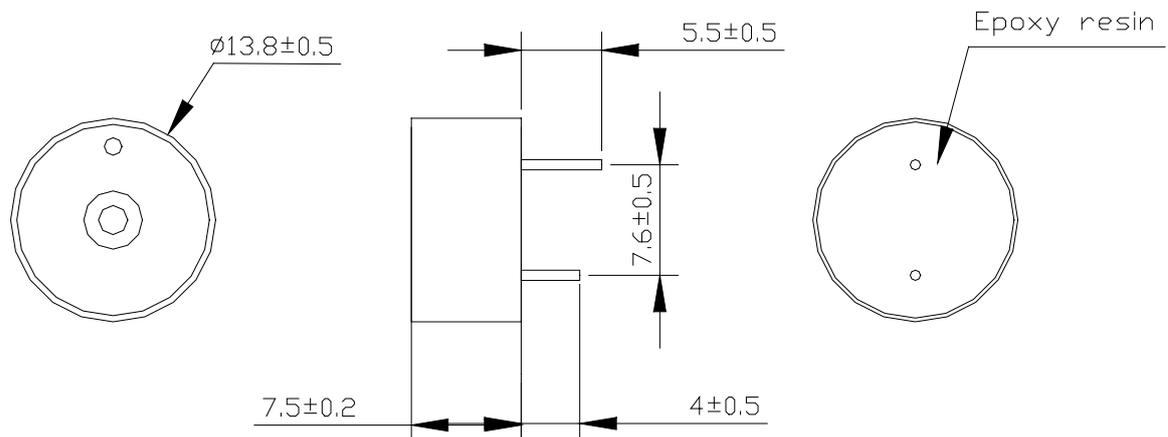
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3 . Dimensions and Material

3-1 Shape



Unit : mm

3-2 Material

Housing	PBT (Color : Black)
Leading Pin	Tin Plated Brass
Weight (Gram)	1.0



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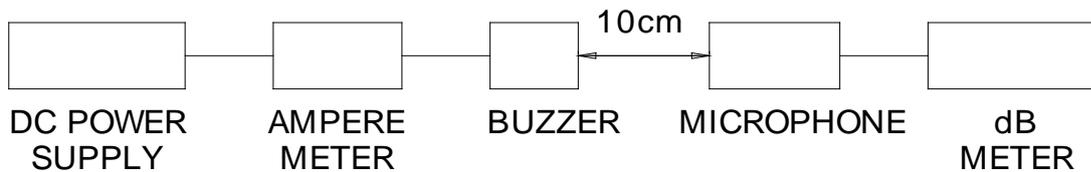
4. TESTING METHOD

• *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°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 $+110^\circ\text{C}$ 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°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> 1600pcs per box , total 4 boxes per carton , total 6400pcs per carton;

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

<2> N . W . : 3.2KGS ; G . W . : 5.2KGS

< 3 > RoHS Mark