



HITPOINT

TEL: 8862-26013311

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

Piezo Electric Buzzer PL-12N40PE-12VQ (IC)

(RoHS)

DATE:2013.08.15

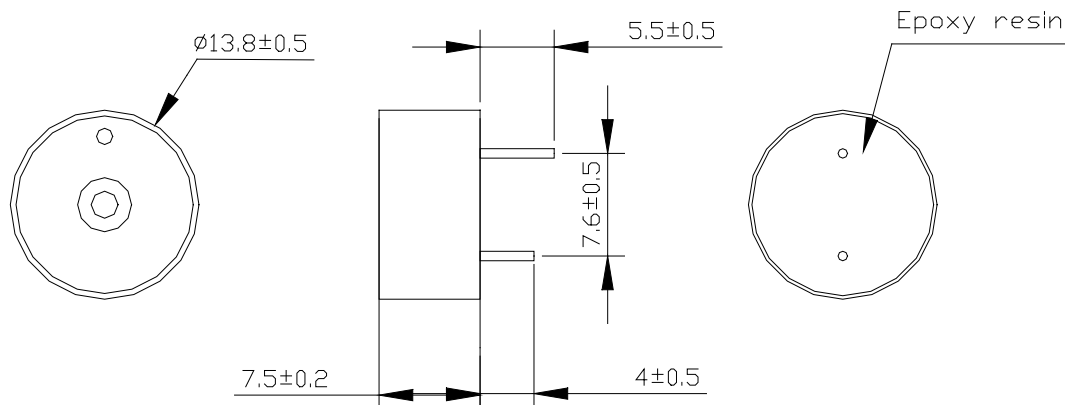
1 . Electrical Characteristics

VER.:0

| | |
|--------------------------------|-------------------------------------|
| Oscillation Frequency (KHz) | 4.1 ±0.2 |
| Operating Voltage (Vdc) | 8 ~ 15 |
| Rated Voltage (Vdc) | 12 |
| Current Consumption (mA/max.) | 10at Rated Voltage |
| Sound Pressure Level (dB/min.) | 80 at 10cm at Rated Voltage |
| Tone/Pulse Rate (Hz) | Slow Pulse 1.2±20% at Rated Voltage |
| 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 . Dimensions and Material

2-1 Shape



Unit : mm



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2-2 Material

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

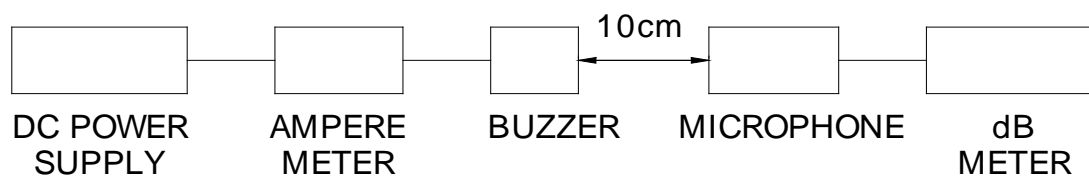
3. TESTING METHOD

· *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.





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4. 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 +110°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 98 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> |

5. PACKAGE METHOD

<1> 1600pcs per box , total 4 boxes per carton , total 6400pcs per carton;

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

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

<3> RoHS Mark