



HITPOINT

TEL:8862-26013311

FAX:8862-26013898

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

Piezo Electric Buzzer

PL-11N40PQ

(RoHS)

DATE:2013.08.26

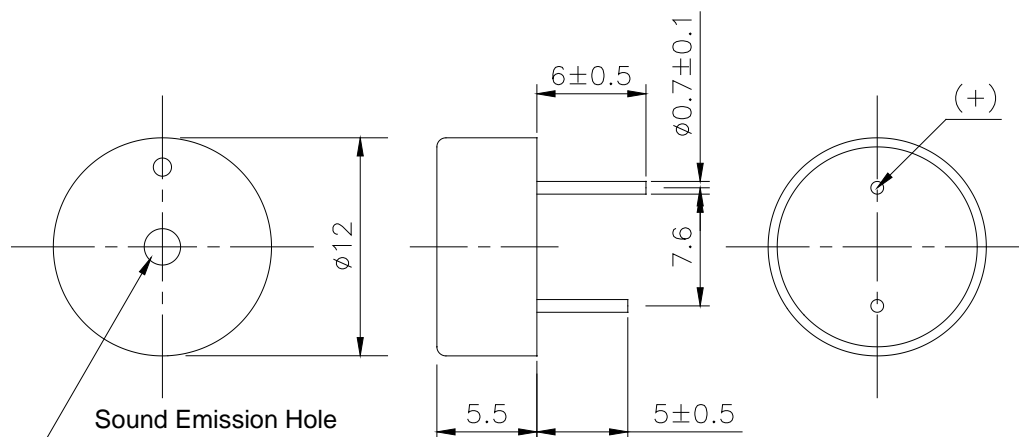
1 . Electrical Characteristics

VER.:0

Oscillation Frequency (KHz)	4.1 \pm 0.2
Operating Voltage (Vdc)	3~5
Rated Voltage (Vdc)	5.0
Current Consumption (mA/max)	5 at Rated Voltage
Sound Pressure Level (dB/min)	80 at 10cm at Rated Voltage
Tone/Pulse Rate (Hz)	Slow Pulse 1.2 \pm 20% at Rated Voltage
Operating Temperature(°C)	-20 ~ +100
Storage Temperature (°C)	-30 ~ +110
Condition by wave (°C)	260 \pm 5 °C /with
Condition by hand (°C)	350 \pm 20 °C /with

2 . Dimensions and Material

2-1 Shape



Unit : mm



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2-2 Material

Housing	PBT1200 UL94HB plastic resin (Color : Black)
Leading Pin	Tin Plated Brass
Weight (Gram)	0.8

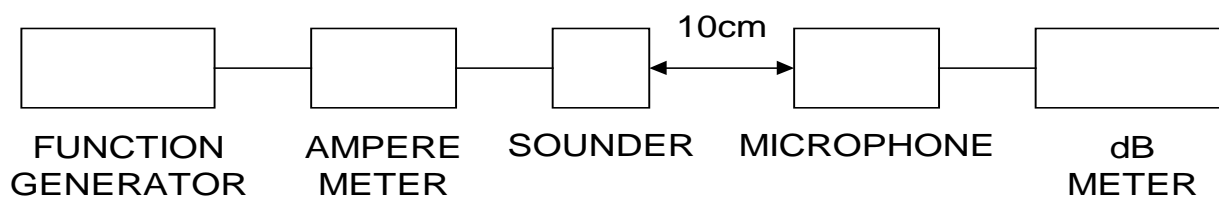
3. TESTING METHOD

• *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℃ 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℃ 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 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> 1200pcs per box , Total 10 boxes per carton , total 12000pcs carton;

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

<2> N . W . : ; 9.6KGS; G . W . : 11.6KGS;

<3> RoHS Mark