



HITPOINT

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

Piezo Electric Sounder

PT-1240MHQ

(RoHS)

DATE:2011.03.10

1 · Electrical Characteristics

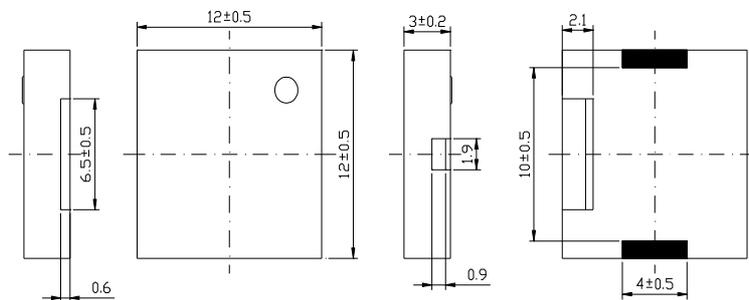
VER :.3

Resonant Frequency (KHz)	4.0 ± 0.5
Operating Voltage (Vp-p/max)	1-25
Rated Voltage (Vp-p)	3.0
Current Consumption (mA/max)	1.0at Rated Voltage
Sound Pressure Level (dB/min)	75 at 10cm at Rated Voltage
Capacitance (pF)	16,000 ± 30% at 120 HZ
Operating Temperature (°C)	-20 ~ +100
Storage Temperature (°C)	-30 ~ +110
Condition by reflow soldering (°C)	250±5°C/ within5sec
Condition by hand (°C)	350±20°C/ within 5sec

PS : Vp-p=1/2duty , square wave

2 · Dimensions and Material

2-1 Shape



Unit : mm



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2-2 Material

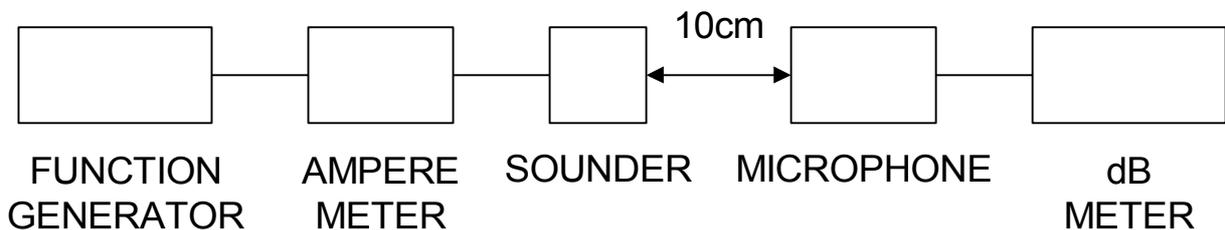
Housing	LCP plastic resin (Color : Black)
Leading Pin	Tin Plated Brass
Weight (Gram)	1.0

3. 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.



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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 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>

5. PACKAGE METHOD

< 1 >1000pcs per tape reel; 8ape reel per carton , total 8000pcs carton;

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

< 2 >N . W . : ; 6.0KGS ; G · W · : 7.0KGS ;

< 3 >RoHS Mark

