



HITPOINT

TEL:8862-26013311

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

Piezo Electric Sounder PT-1220MFDQ

(RoHS)

DATE:2022.01.10

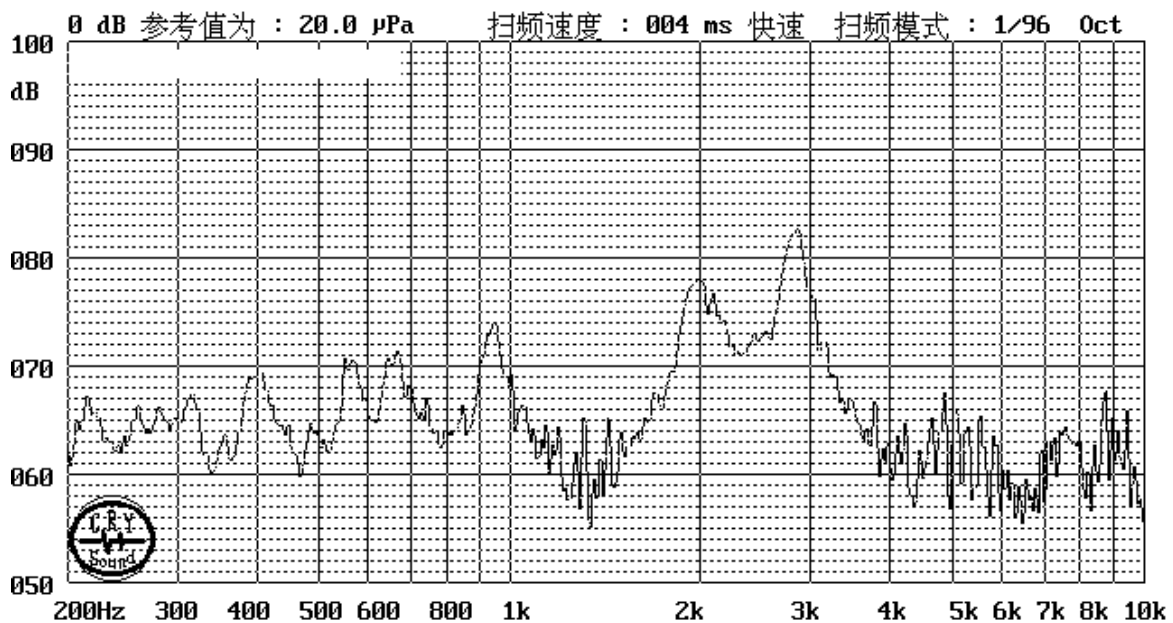
1 . Electrical Characteristics

VER.:1

Resonant Frequency (KHz)	2.0
Operating Voltage (Vp-p)	1~25
Rated Voltage (Vp-p)	3.0
Current Consumption (mA/max)	3 at Rated Voltage
Sound Pressure Level (dB/min)	68 at 10cm at Rated Voltage
Capacitance (pF)	20,000 ± 30% at 100 HZ
Operating Temperature (°C)	-40 ~ +85
Storage Temperature (°C)	-40 ~ +85
Condition by reflow soldering (°C)	260 ± 5°C / within 5sec
Condition by hand (°C)	350 ± 20°C / within 5sec

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

2 . Typical Frequency Response Curve





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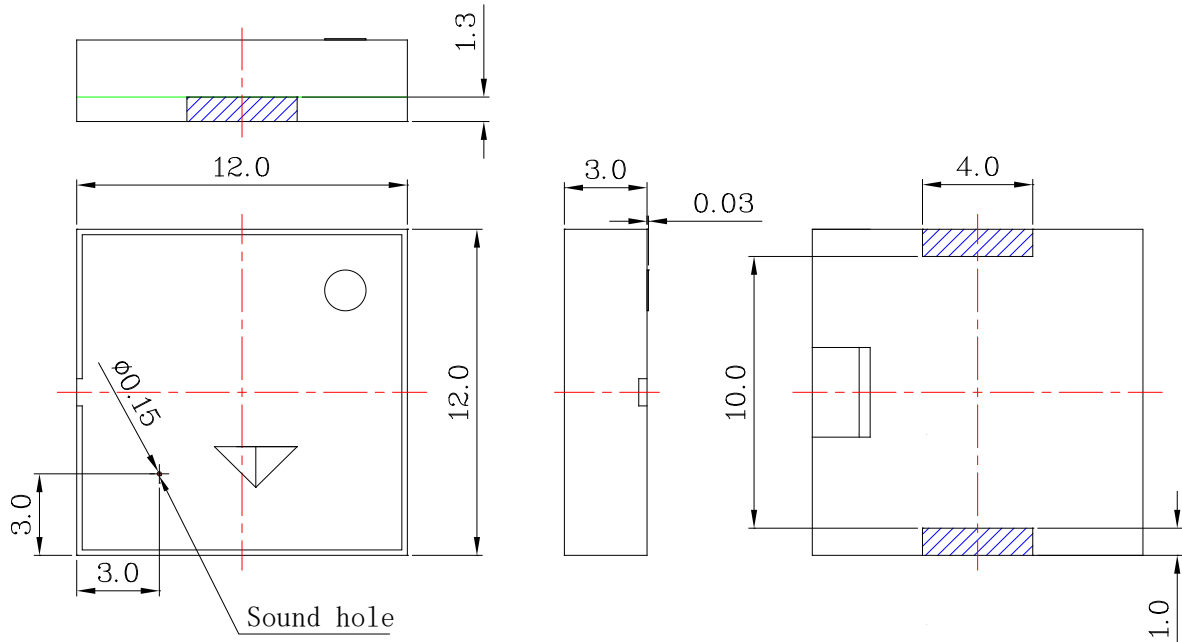
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3 . Dimensions and Material

3-1 Shape



TOL: ± 0.3 Unit : mm

3-2 Material

Housing	LCP plastic resin (Color : Black)
Leading Pin	Tin Plated Brass
Weight (Gram)	0.4



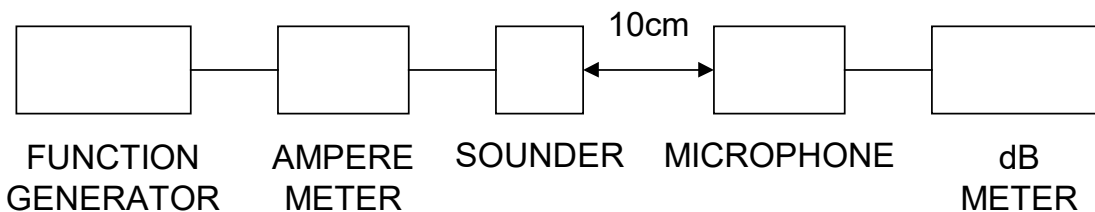
4. TESTING METHOD

· *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	PERFORMAN CE
<i>Coldness withstanding</i>	<i>After 96 hours of being exposed to -40°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 96 hours of being exposed to $+80^\circ\text{C}$ 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 96 hours of being exposed to 40°C, 90-95%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 96 hours actual continuous operation. (at standard measurement conditions)</i>	<i>No abnormality shall exist</i>
<i>Drop withstanding</i>	<i>Drop on a hard wood board of 4cm thick, any directions, 6 times, at the height of 75cm.</i>	<i>No abnormality shall exist</i>
<i>Vibration withstanding</i>	<i>After being applied vibration of amplitude of 1.5mm with 10 to 55 Hz band of vibration frequency to each of 3 perpendicular directions for 2 hours.</i>	<i>No abnormality shall exist</i>



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6. PACKAGE METHOD

< 1 > 1000pcs per tape reel; 10ape reel per carton , total 10000pcs carton;

Volume: L*W*H=360*360*360mm

< 2 > N . W . ; 4KGS ; G . W . ; 8KGS ;

< 3 > RoHS Mark

