



HITPOINT

TEL:8862-26013311

FAX:8862-26013898

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

Piezo Electric Sounder PT-1220MFDQ

(RoHS)

DATE:2016.12.26

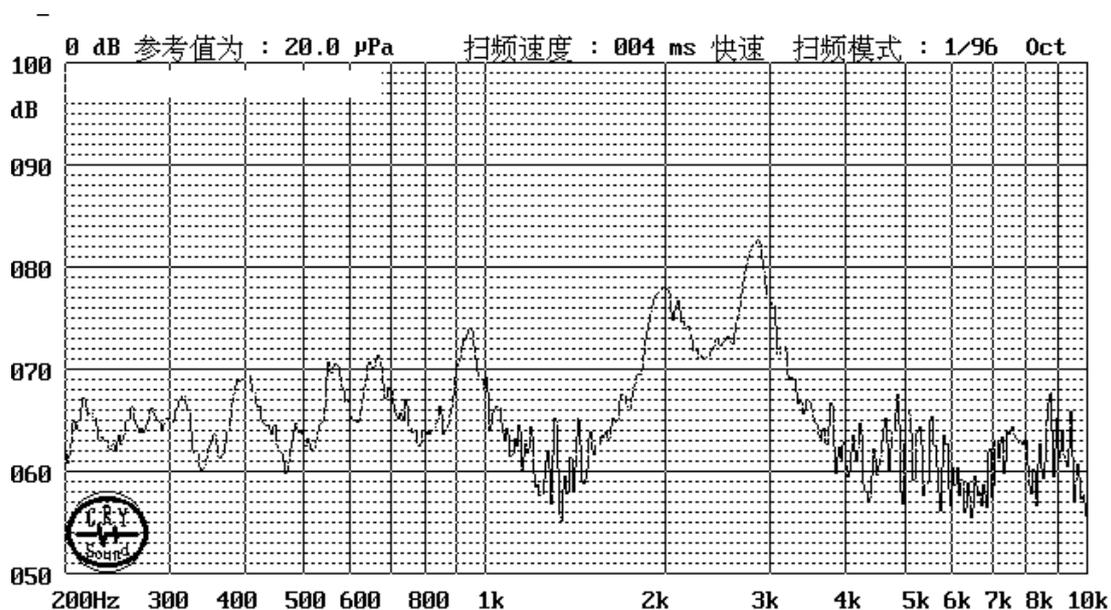
1 . Electrical Characteristics

VER.:0

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)	70 at 10cm at Rated Voltage
Capacitance (pF)	25,000 ± 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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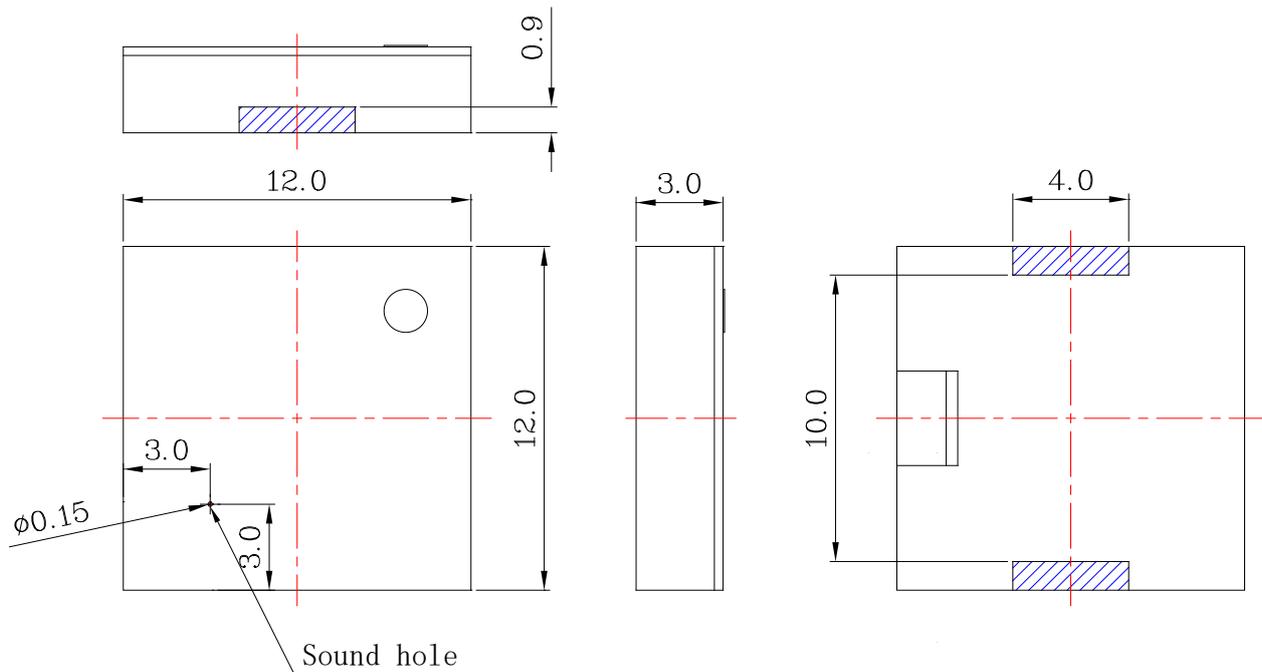
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3 . Dimensions and Material

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



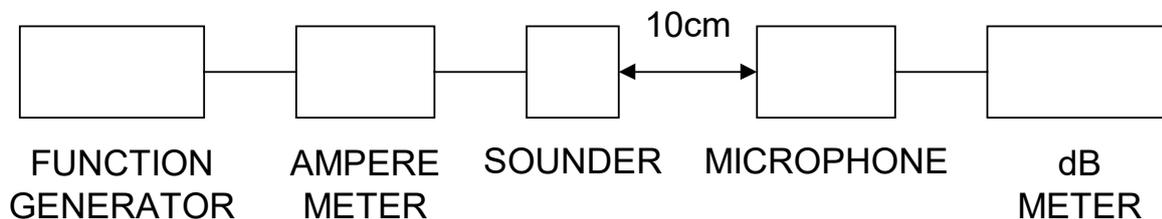
4. TESTING METHOD

· 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
Coldness withstanding	After 96 hours of being exposed to -40°C environment, should be returned to normal environment for 2 hours, then re-proceed to test.	No abnormality shall exist
Hotness withstanding	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.	No abnormality shall exist
Humidity withstanding	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.	No abnormality shall exist
Durability	Testing after 96 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	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 .	No abnormality shall exist



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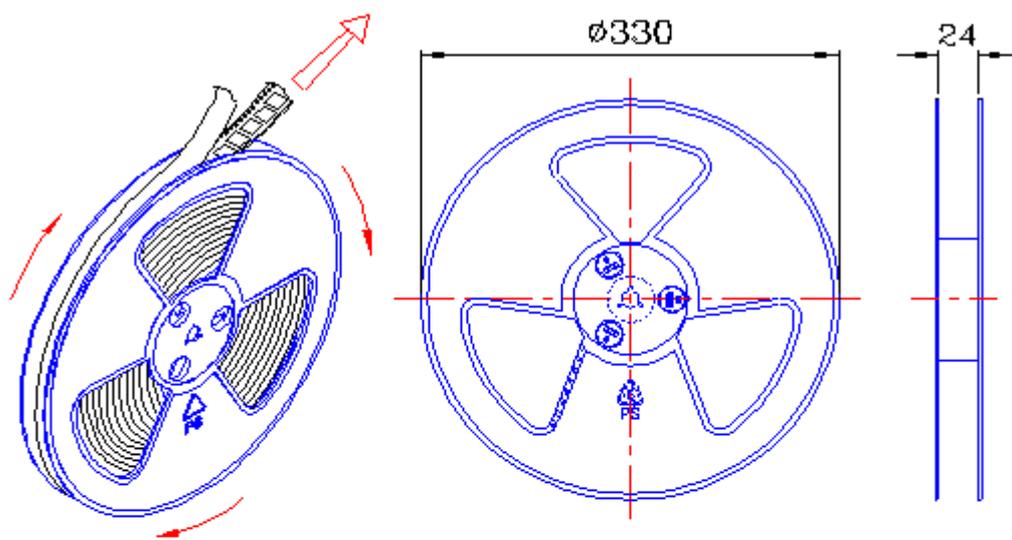
6. PACKAGE METHOD

< 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



1 Reel : 1000PCS

