



HITPOINT

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

PB-1224M-05Q

(RoHS)

DATE:2007.09.11

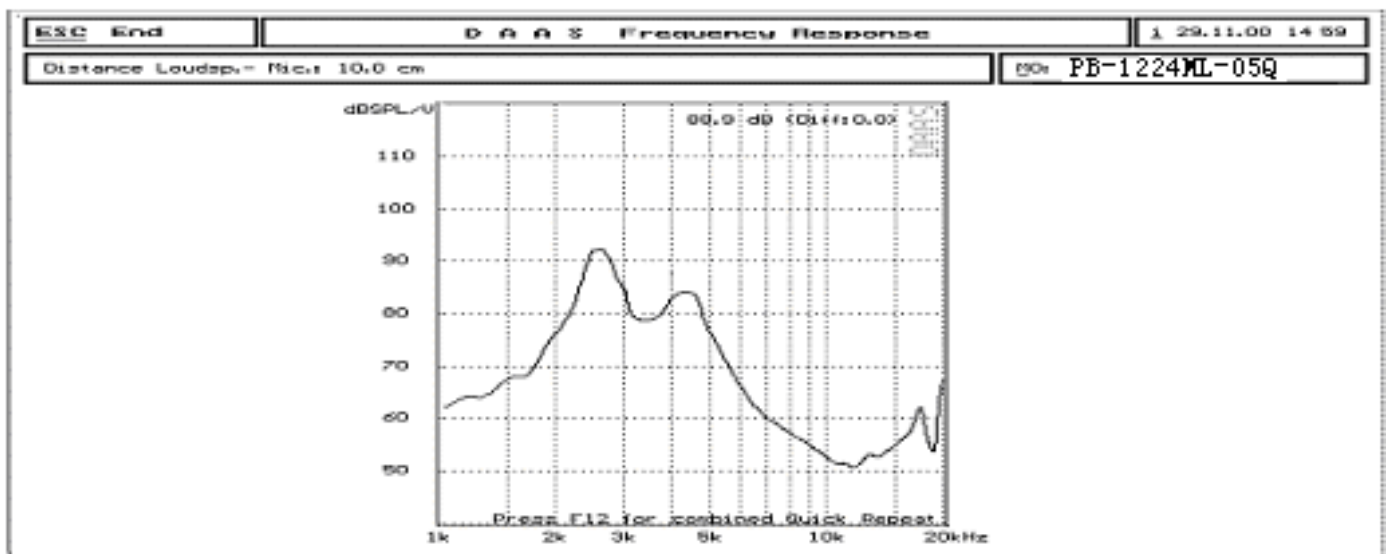
1 . Electrical Characteristics

VER.:1

Oscillation Frequency (Hz)	2400
Operating Voltage (Vp-p)	4 ~ 7
Rated Voltage (Vp-p)	5
Current Consumption (mA/max)	50 at Rated Voltage
Sound Pressure Level (dB/min)	90 at 10cm at Rated Voltage
Coil Resistance (Ω)	45 \pm 5
Operating Temperature ($^{\circ}$ C)	-20 ~ +70
Storage Temperature ($^{\circ}$ C)	-30 ~ +80

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

2 . Typical Frequency Response Curve





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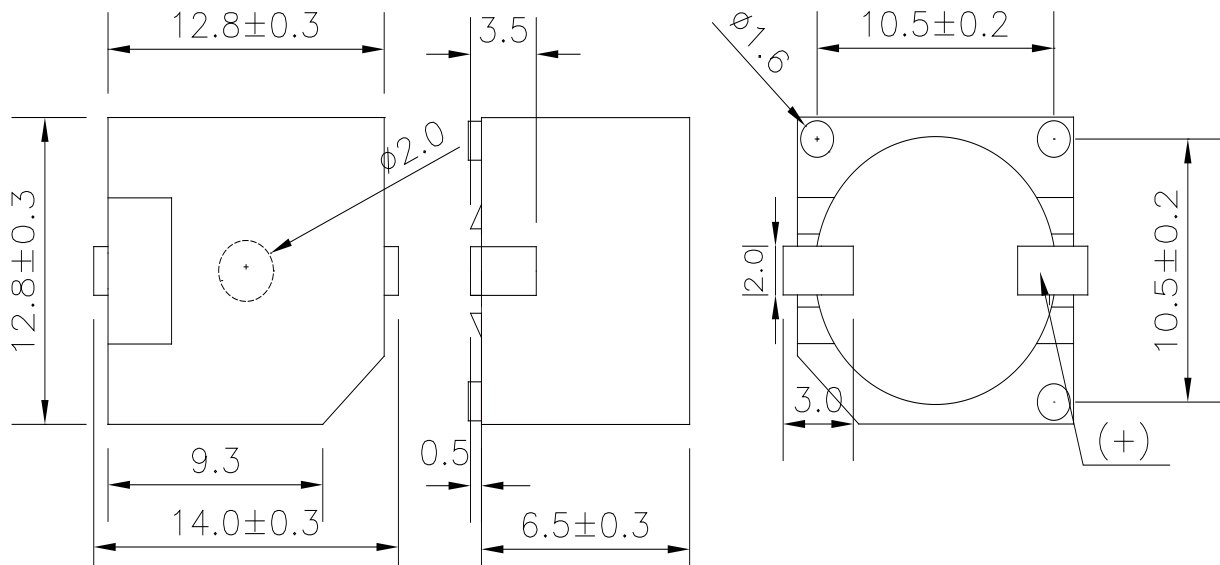
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3 . Dimensions and Material

3-1Shape

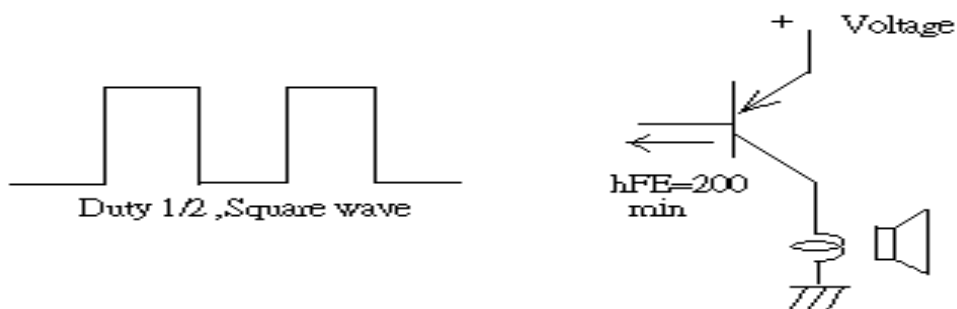


Unit : mm

3-2 Material

Housing	PPS plastic resin (Color : Gray)
Type Of Connection Terminals	SMD
Weight (Gram)	2.8

4 . Recommend Driving Circuit



The base current I_b should high enough so that it saturates the collector current of the transistor with the CB load.



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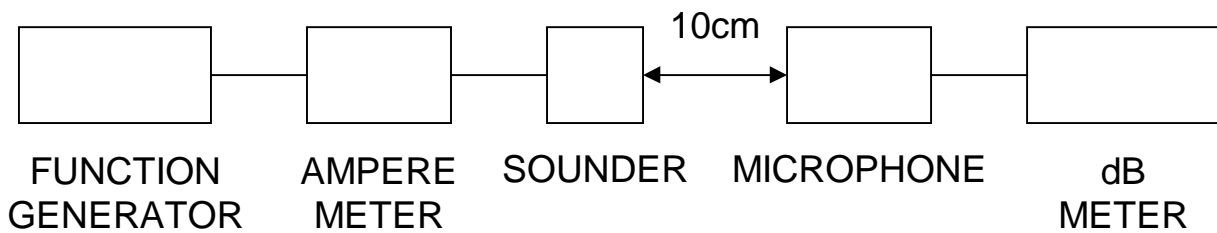
5. TESTING METHOD

• *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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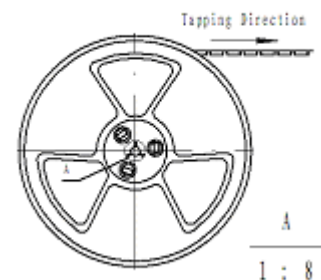
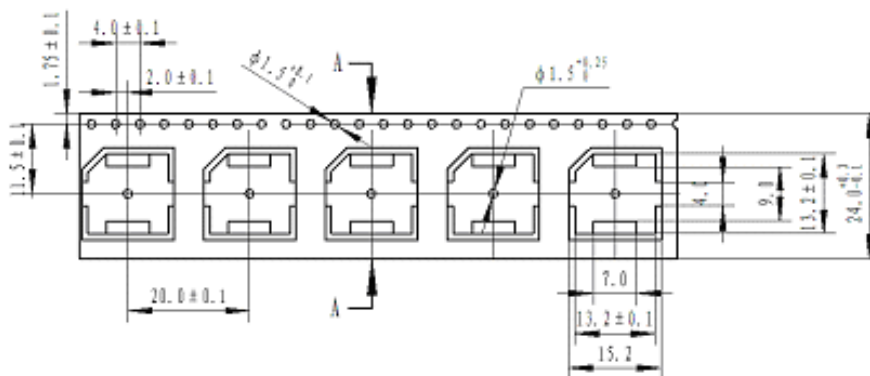
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6. RELIABILITY

ITEMS	METHOD OF TEST AND MEASUREMENTS	PERFORMANCE
Coldness withstanding	After 98 hours of being exposed to -30°C environment, should be returned to normal environment for 2 hours, then re-proceed to test.	No abnormality shall exist
Hotness withstanding	After 98 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 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.	No abnormality shall exist
Durability	Testing after 1,000 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	Vibration of 2,000 cycles per minute, 2mm amplitude, applied in X, Y and Z directions for 30 minutes each.	No abnormality shall exist

7. PACKAGE METHOD

<1 >300pcs per tape reel



< 2 > N . W . : 1.3KGS ; G . W . : 2.8KGS ;

< 3 > *RoHS Mark:*