

HITPOINT

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

PB-0540MWQ

(RoHS)

DATE:2013.8.14

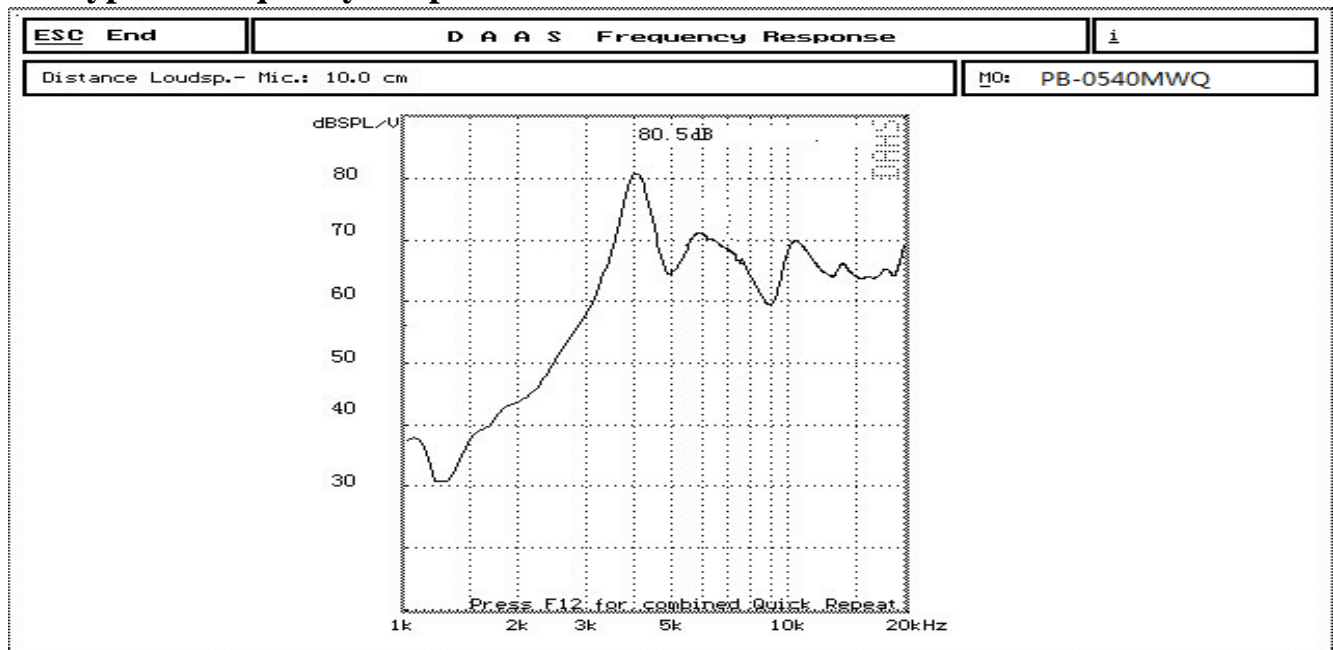
1 Electrical Characteristics

VER.:1

Oscillation Frequency (KHz)	4.0
Operating Voltage (Vp-p)	2.0 ~ 4.0
Rated Voltage (Vp-p)	3.0
Current Consumption (mA/max)	110 at Rated Voltage
Sound Pressure Level (dB/min)	80 at 10cm at Rated Voltage
Coil Resistance (Ω)	12 \pm 3
Operating Temperature ($^{\circ}$)	-20 ~ +60
Storage Temperature ($^{\circ}$)	-30 ~ +80
Condition by reflow soldering ($^{\circ}$)	250 \pm 5 $^{\circ}$ / within 10sec
Condition by hand ($^{\circ}$)	350 \pm 20 $^{\circ}$ / within 5sec

PS Vp-p 1/2duty , square wave

2 Typical Frequency Response Curve

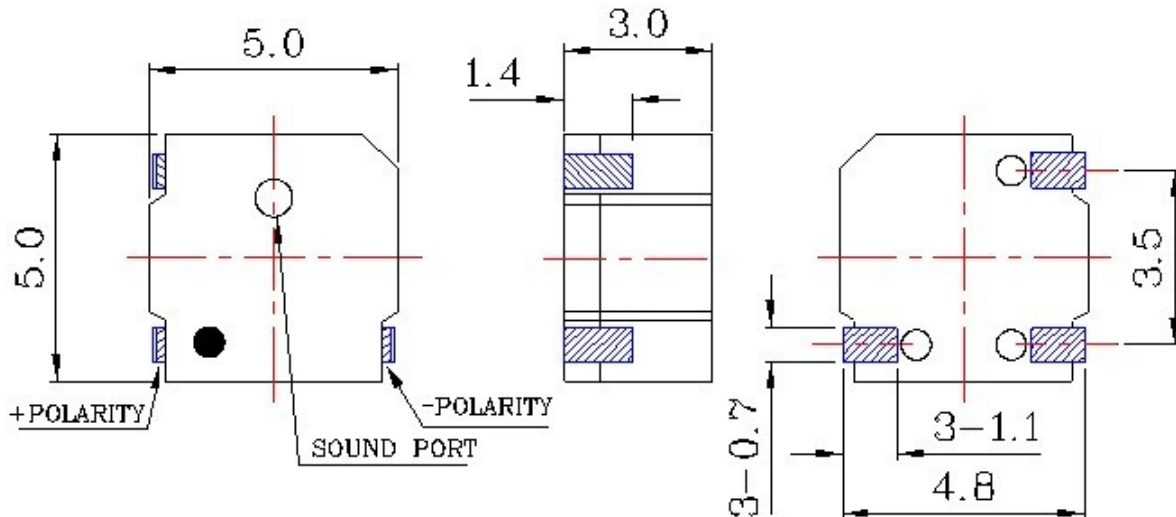


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3 Dimensions and Material

3-1 Shape

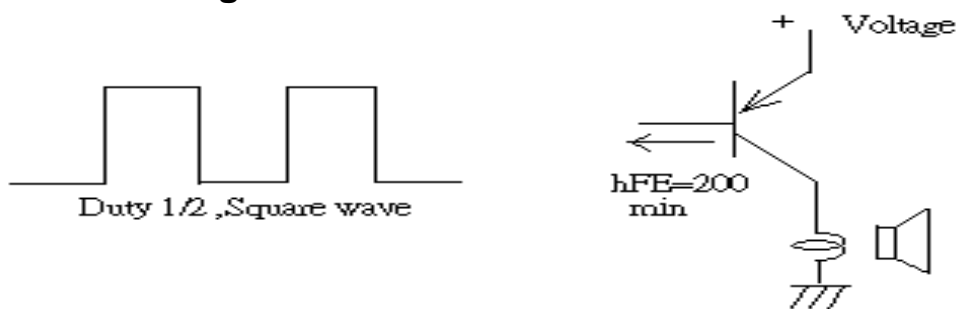


TOI: ± 0.3 Unit : mm

3-2 Material

Housing	LCP plastic resin (Color : Black)
Type Of Connection Terminals	SMD
Weight (Gram)	0.6

4 Recommend Driving Circuit



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



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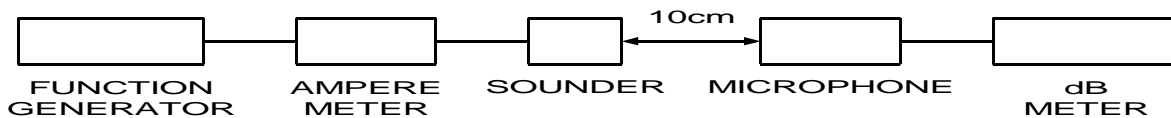
5. TESTING METHOD

· **Standard Measurement conditions**

Temperature: $25 \pm 2^\circ\text{C}$ Humidity: 45-60%

· **Acoustic Characteristics**

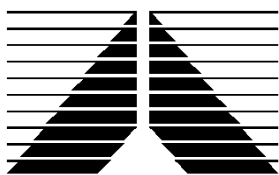
The oscillation frequency, current consumption and sound pressure are measured by the measuring instruments shown below.



In the measuring test, buzzers is placed as follows:

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

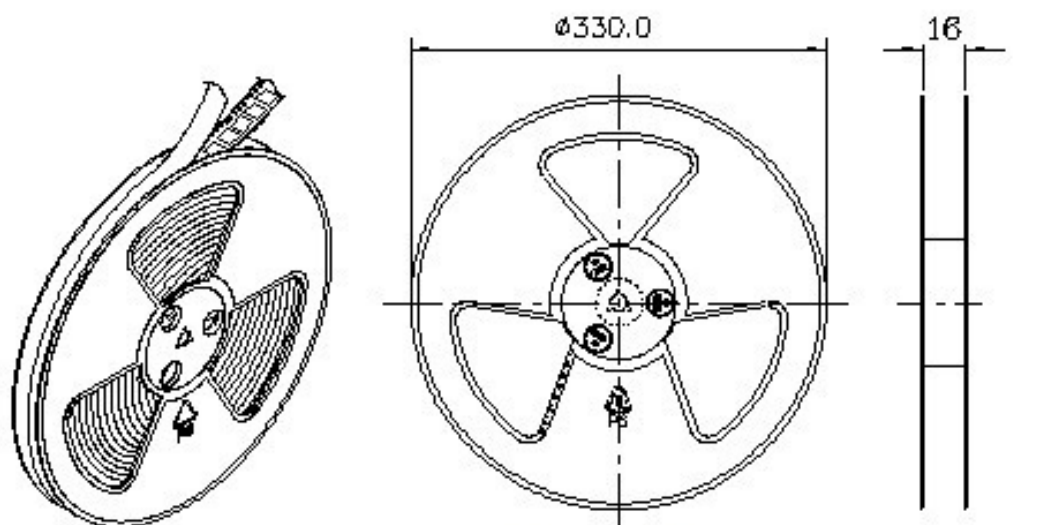


TEL : 8862-26013311

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7. PACKAGE METHOD

<1>2500pcs per tape reel;



1 Reel : 2500PCS

