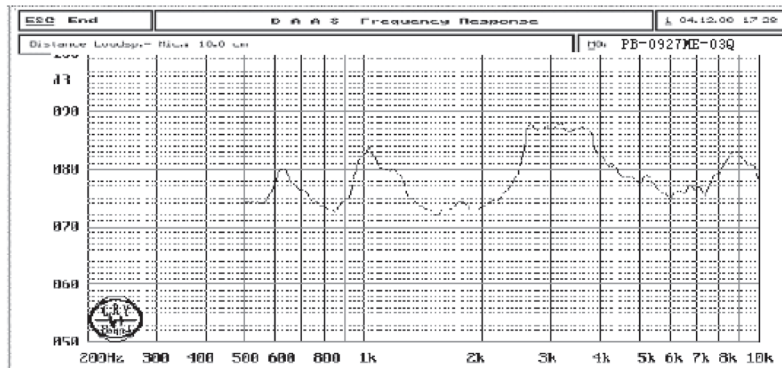


1 . Electrical Characteristics

Oscillation Frequency (Hz)	2731
Operating Voltage (Vp-p)	2.5 ~ 4.5
Rated Voltage (Vp-p)	3.0
Current Consumption (mA/max)	80 at Rated Voltage
Sound Pressure Level (dB/min)	85 at 10cm at Rated Voltage
Coil Resistance (Ω)	15 \pm 3
Operating Temperature ($^{\circ}\text{C}$)	-20 ~ +60
Storage Temperature ($^{\circ}\text{C}$)	-30 ~ +80
Condition by reflow soldering ($^{\circ}\text{C}$)	250 \pm 5 $^{\circ}\text{C}$ / within 5sec
Condition by hand ($^{\circ}\text{C}$)	350 \pm 20 $^{\circ}\text{C}$ / within 5sec

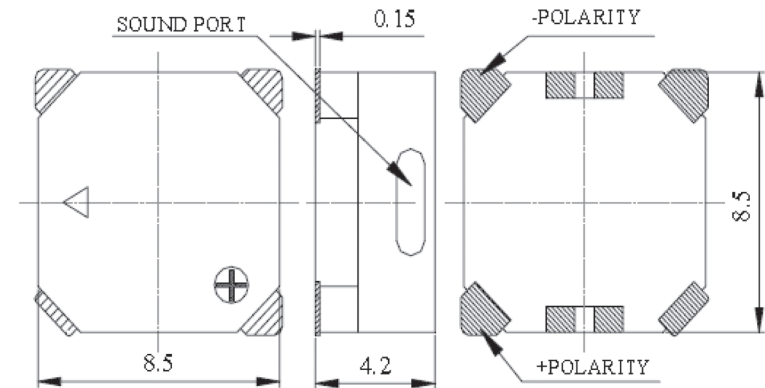
PS : Vp-p=1/2duty , square wave

2 . Typical Frequency Response Curve



3 . Dimensions and Material

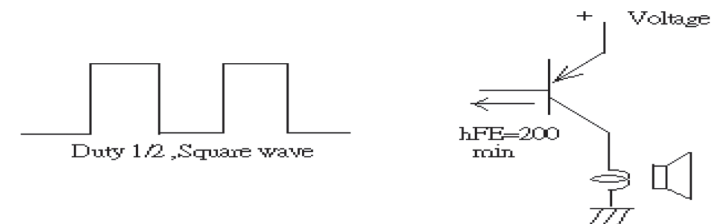
3-1 Shape



Unit:mm Tol:±0.3

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 high enough so that it saturates the collector current of the transistor with the CB load.

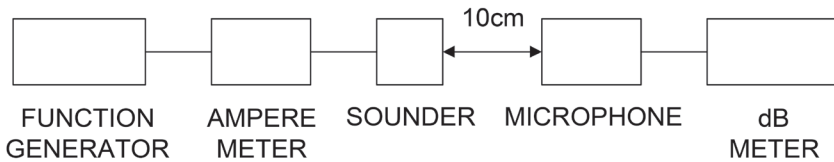
5. TESTING METHOD

• 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.

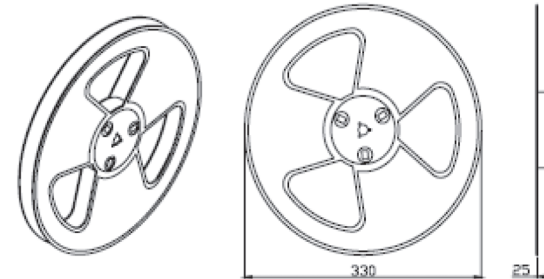
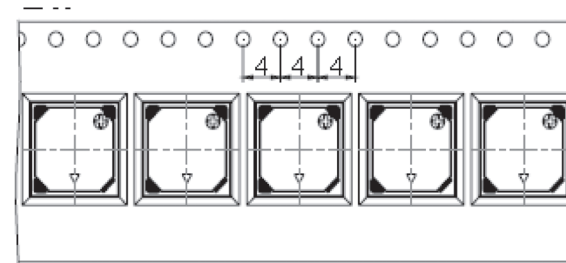


6. RELIABILITY

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 °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 98hours 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 > 1000pcs per tape reel, Total 8 tape reels, total 8000pcs carton;
 Volume: L*W*H=520*335*290mm
- < 2 > N . W . : 4,8KGS ; G . W . : 6.0KGS ;
- < 3 > RoHS Mark:



1 Reel: 1000 Pcs