



HITPOINT

TEL:8862-26013311

FAX:8862-26013898

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

PB-09C27PE-05Q

(ROHS)

DATE:2005.01.21

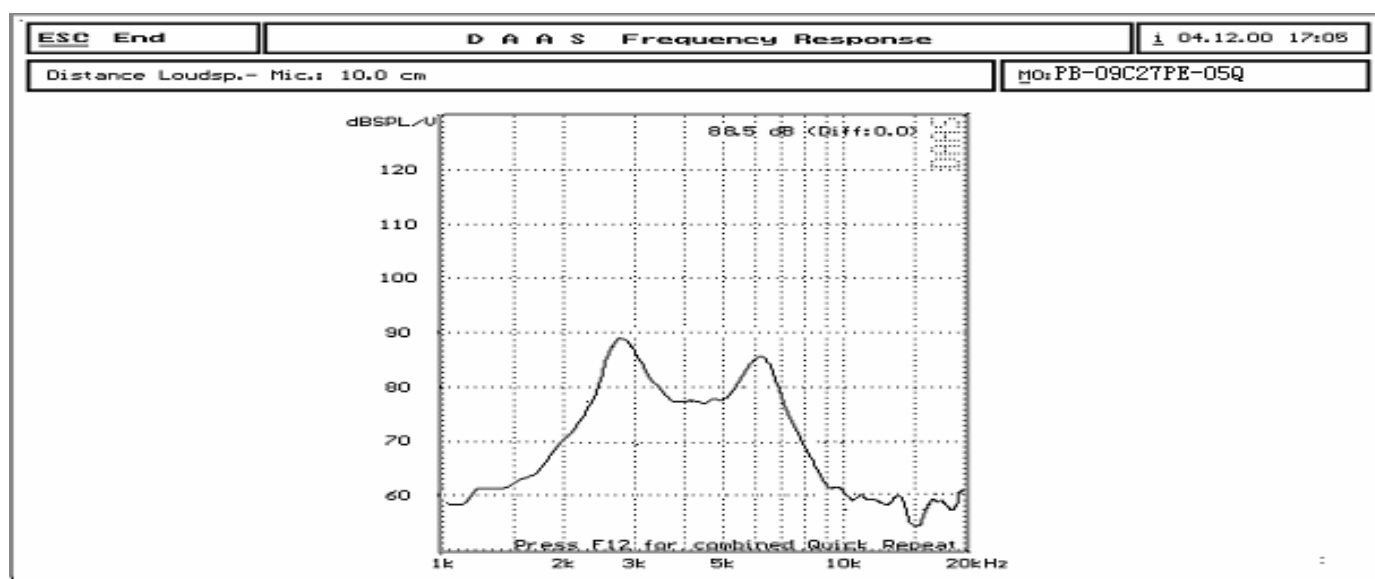
1 . Electrical Characteristics

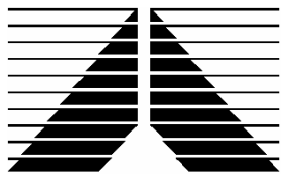
VER :.0

Oscillation Frequency (Hz)	2731
Operating Voltage (Vp-p)	4.5 ~ 5.5
Rated Voltage (Vp-p)	5.0
Current Consumption (mA/max)	70 at Rated Voltage
Sound Pressure Level (dB/min)	85 at 10cm at Rated Voltage
Coil Resistance (Ω)	30 ± 3
Operating Temperature ($^{\circ}\text{C}$)	$-20 \sim +70$
Storage Temperature ($^{\circ}\text{C}$)	$-30 \sim +80$
Wave soldering conditions	$245 \pm 5^{\circ}\text{C}$ for 3 ± 0.5 seconds.
Manual soldering conditions	$350 \pm 20^{\circ}\text{C}$ / within 5sec

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

2 . Typical Frequency Response Curve





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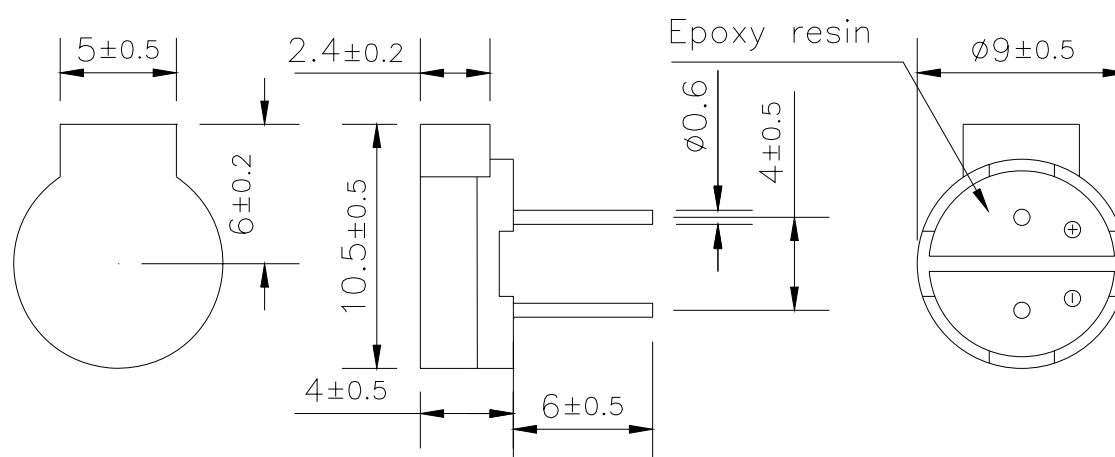
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3 . Dimensions and Material

3-1 Shape

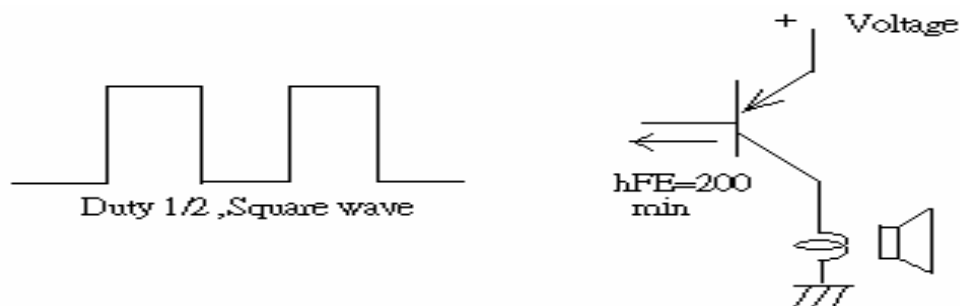


Unit : mm

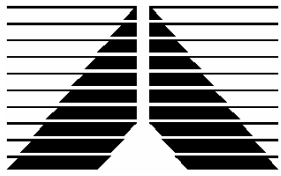
3-2 Material

Housing	PPO plastic resin (Color : Black)
Leading Pin	Tin Plated Brass
Weight (Gram)	0.5

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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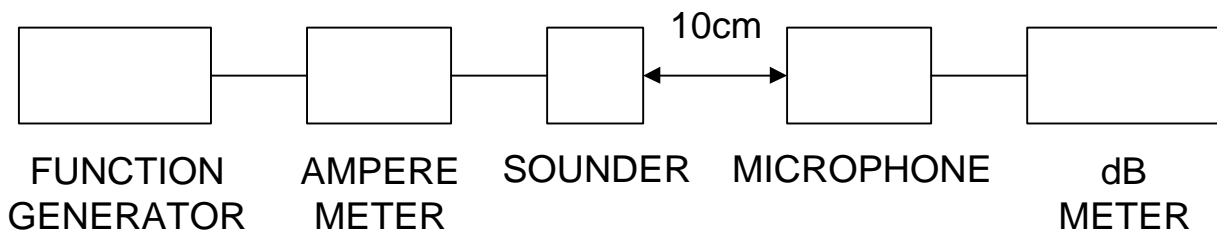
5. TESTING METHOD

• *Standard Measurement conditions*

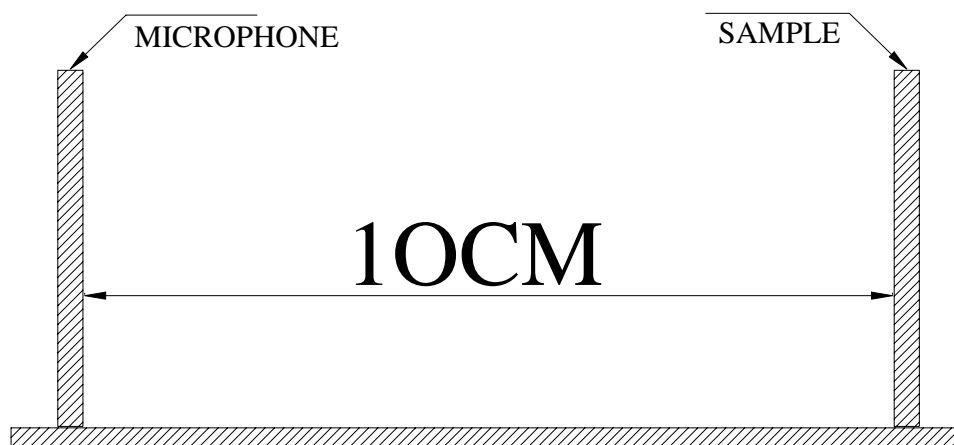
Temperature: $25 \pm 2^\circ\text{C}$ Humidity: 45-60%

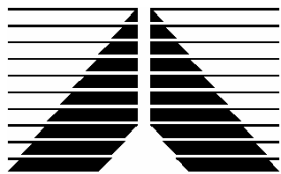
• *Acoustic Characteristics*

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:





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6. RELIABILITY

ITEMS	METHOD OF TEST AND MEASUREMENTS	PERFORMANCE
Coldness withstanding	After 98 hours of being exposed to -30℃ 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℃ 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℃ 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> 100pcs per box , Total 10 boxes per carton , total 1000pcs carton;
Volume: L*W*H=510*330*300mm

< 2 > RoHS Mark

