



HITPOINT

TEL:8862-26013311

FAX:8862-26013898

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

PB-3112Q

(RoHS)

DATE:2006.12.25

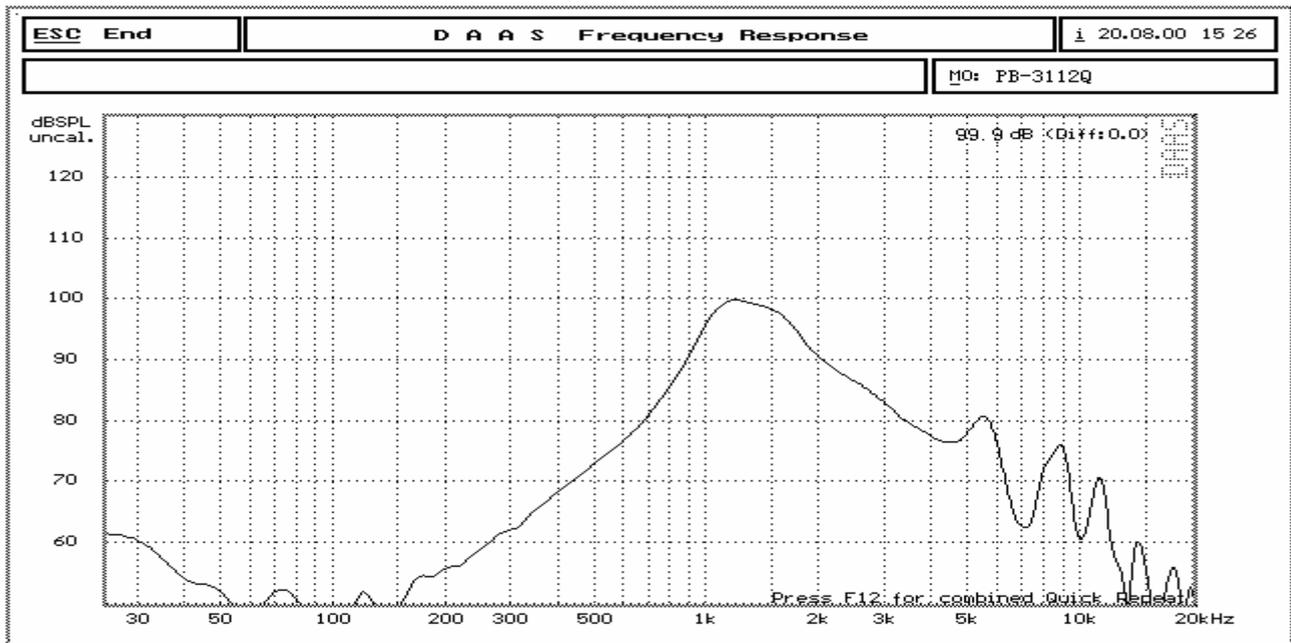
1 . Electrical Characteristics

VER :1

Resonant Frequency (KHz)	1.25 ±0.5
Operating Voltage (Vp-p/max.)	30
Rated Voltage (Vp-p)	5.0
Current Consumption (mA/max.)	1.5 at Rated Voltage
Sound Pressure Level (dB/min.)	70 at 10cm at Rated Voltage
Capacitance (pF)	48,000 ± 30% at 120 Hz
Operating Temperature (°C)	-20 ~ +100
Storage Temperature (°C)	-30 ~ +110
Manual soldering conditions	350±20°C / within 5sec

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

2 . Typical Frequency Response Curve





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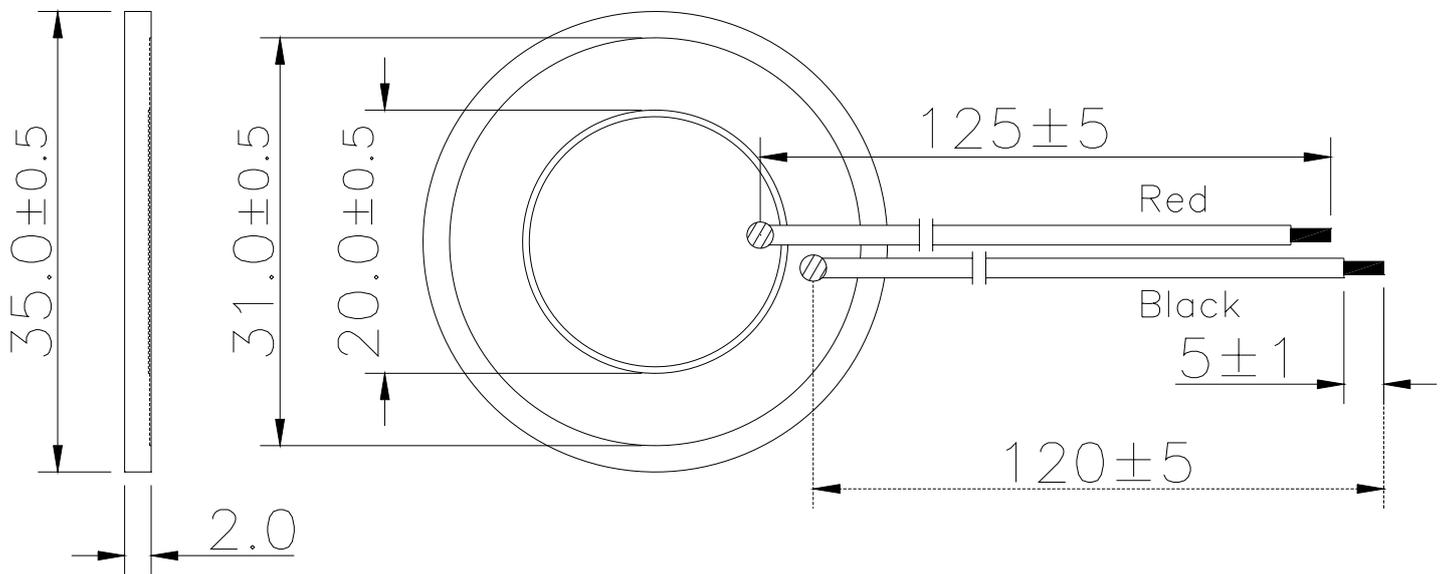
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3 . Dimensions and Material

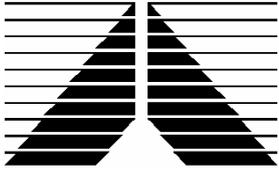
3-1 Shape



Unit : mm

3-2 Material

Housing	ABS 777D UL94HB plastic resin (Color : Black)
Leading Wire	28 AWG
Weight (Gram)	1.8



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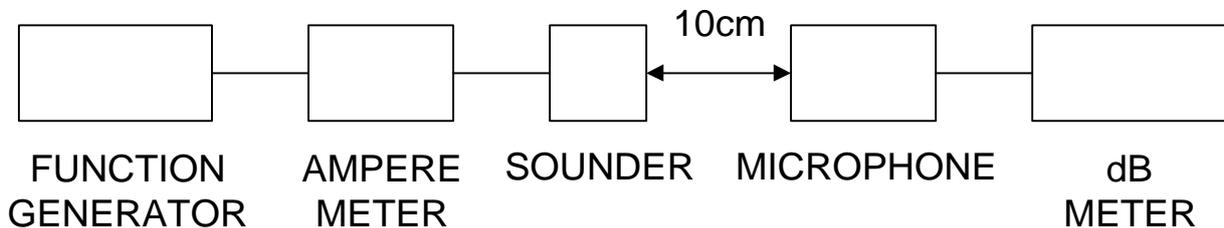
4. TESTING METHOD

· *Standard Measurement conditions*

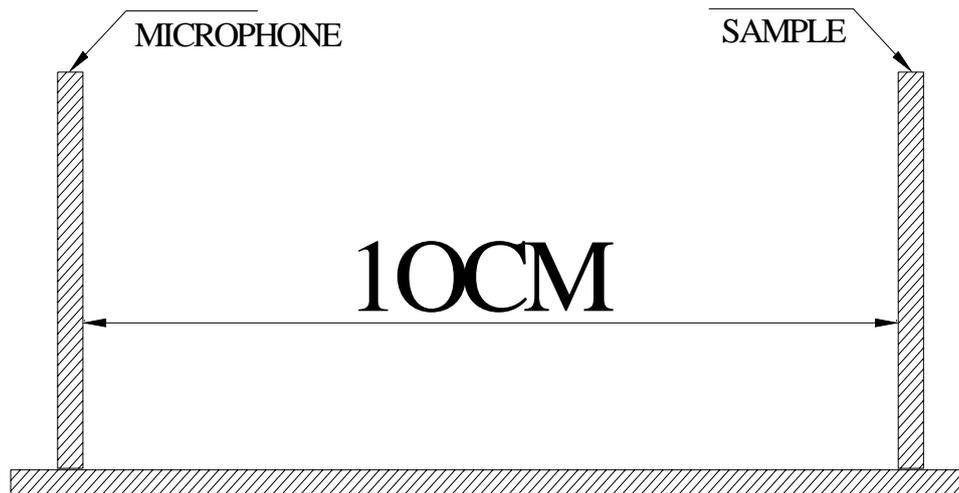
Temperature: 25 ± 2 °C Humidity: 45-60%

· *Acoustic Characteristics*

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



In the measuring test, buzzer is placed as follows:



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5. RELIABILITY

ITEMS	METHOD OF TEST AND MEASUREMENTS	PERFORMANCE
<i>Coldness withstanding</i>	<i>After 98 hours of being exposed to -30°C environment, should be returned to normal environment for 2 hours, then re-proceed to test.</i>	<i>No abnormality shall exist</i>
<i>Hotness withstanding</i>	<i>After 98 hours of being exposed to +110°C environment, should be returned to normal environment for 2 hours, then re-proceed to test.</i>	<i>No abnormality shall exist</i>
<i>Humidity withstanding</i>	<i>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.</i>	<i>No abnormality shall exist</i>
<i>Durability</i>	<i>Testing after 1,000 hours actual continuous operation. (at standard measurement conditions)</i>	<i>No abnormality shall exist</i>
<i>Drop withstanding</i>	<i>A natural drop from 75cm high down to the ground.</i>	<i>No abnormality shall exist</i>

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
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6. PACKAGE METHOD

<1> 500pcs per box, Total 10 boxes per carton, total 5000pcs carton;

Volume: L*W*H=510*330*300mm

<2> RoHS Mark

