



HITPOINT

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

Piezo Electric Sounder PT-2040PQ

(RoHS)

DATE:2010/8/27

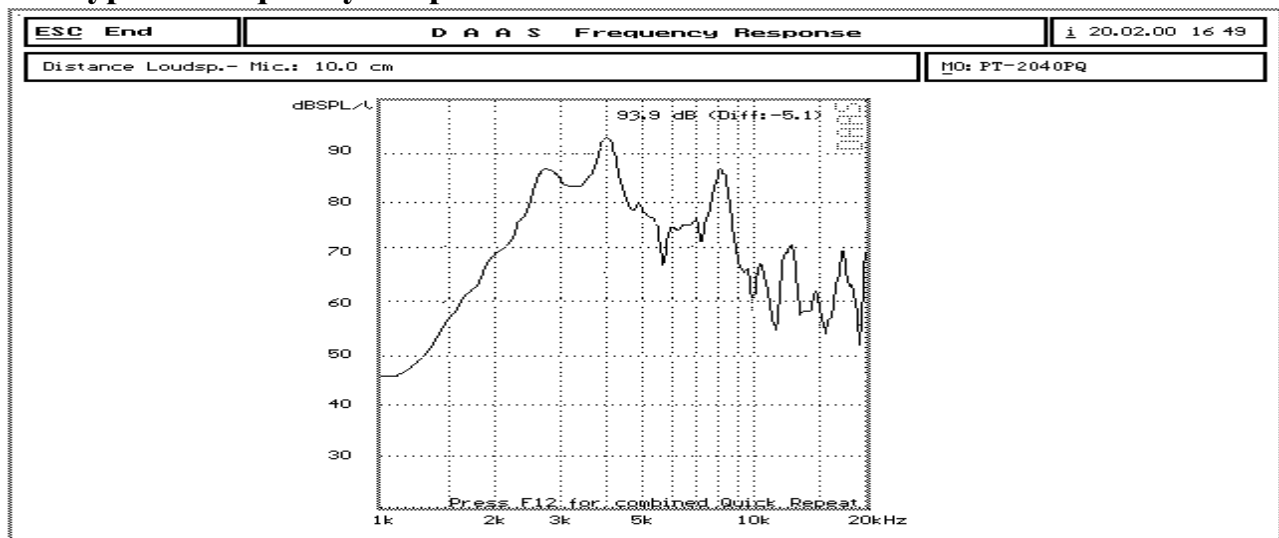
1 . Electrical Characteristics

VER.:0

Resonant Frequency (KHz)	4.0 ±0.5
Operating Voltage (Vp-p/max)	30
Rated Voltage (Vp-p)	5
Current Consumption (mA/max)	1.5 at Rated Voltage
Sound Pressure Level (dB/min)	90 at 10cm at Rated Voltage
Capacitance (pF)	25,000 ± 30% at 120 Hz
Operating Temperature (°C)	-20 ~ +100
Storage Temperature (°C)	-30 ~ +110
Condition by wave (°C)	260±5°C / within 5sec
Condition by hand (°C)	350±20°C / within 5sec

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

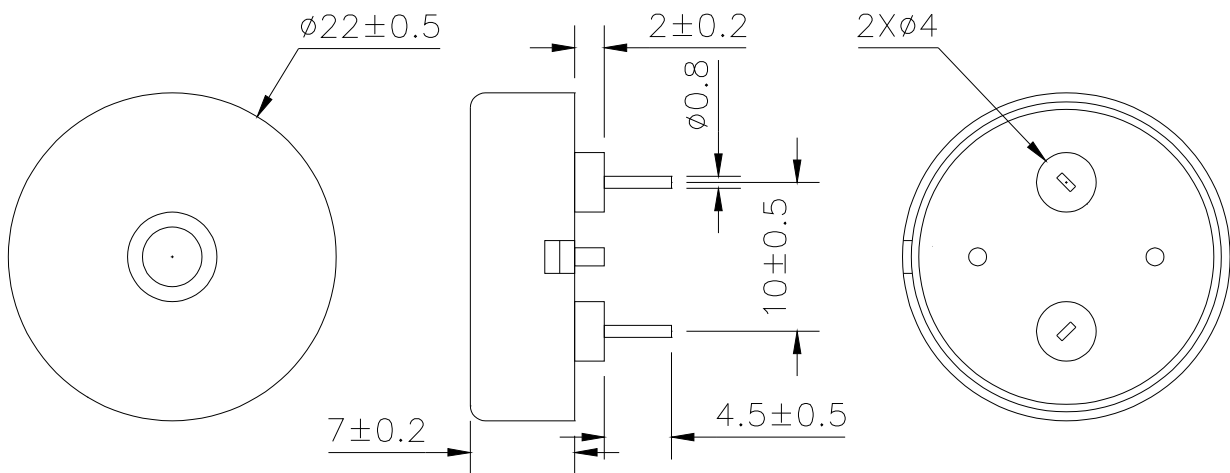
2 . Typical Frequency Response Curve



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3 . Dimensions and Material

3-1 Shape



Unit:mm

3-2 Material

Housing	PBT UL94HB plastic resin (Color : Black)
Leading Pin	Tin Plated Brass
Weight (Gram)	2.4



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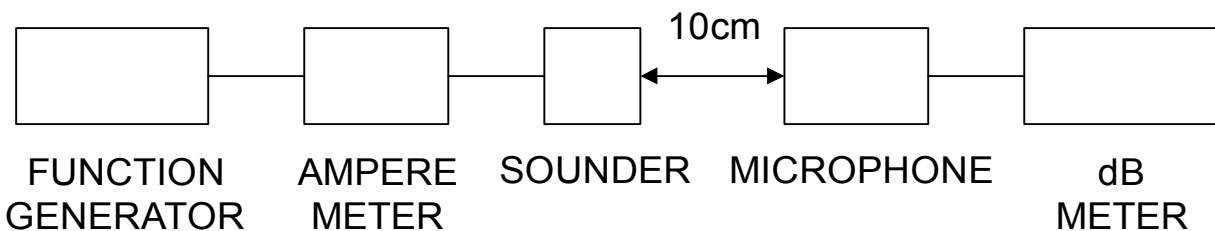
4. TESTING METHOD

. *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.



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>
<i>Vibration withstanding</i>	<i>Vibration of 2,000 cycles per minute, 2mm amplitude, applied in X, Y and Z directions for 30 minutes each.</i>	<i>No abnormality shall exist</i>



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6. PACKAGE METHOD

<1> 450pcs per box , Total 10 boxes per carton , total 4500pcs carton;

Volume: L*W*H=520*335*290mm

< 2 > N . W . : ; 12KGS ; G . W . : 13KGS ;

< 3 > RoHS Mark