



HITPOINT

TEL:8862-26013311

FAX:8862-26013898

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

Piezo Electric Sounder

PT-593SWQ

(RoHS)

DATE:2009.05.11

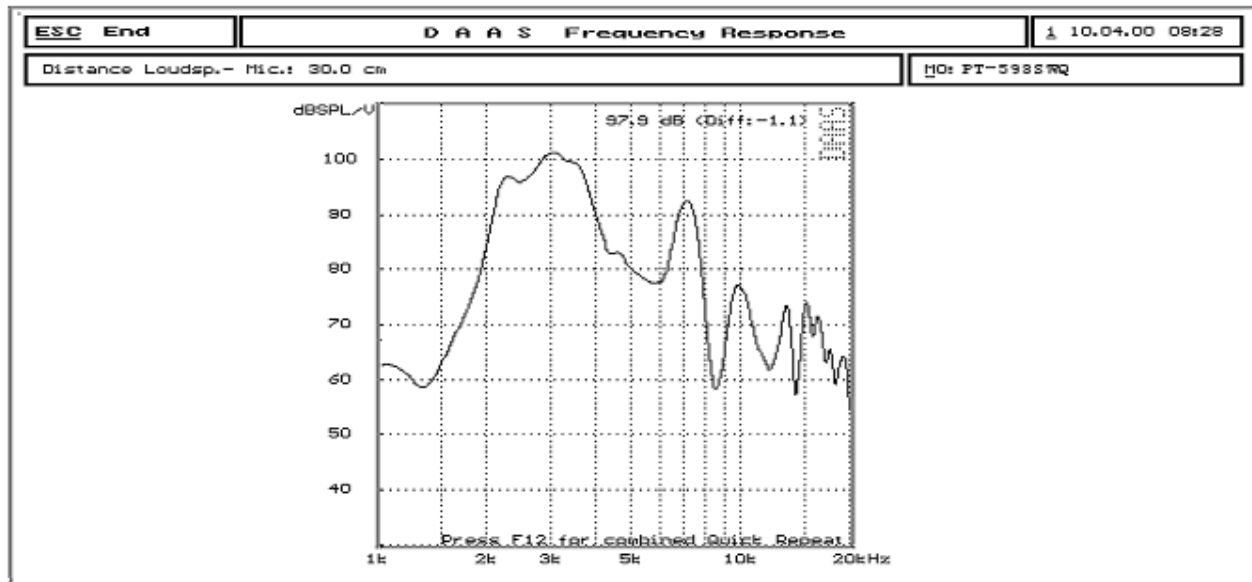
1 . Electrical Characteristics

VER .:3

Resonant Frequency (KHz)	3.5 ±0.5	
Operating Voltage (Vp-p)	125	
Rated Voltage (Vp-p)	5.0	125
Current Consumption (mA/max)	4.0	47
Sound Pressure Level (dB/min)	90 at 30cm	100 at 100cm
Capacitance (pF)	30,000 ± 30% at 120 Hz	
Operating Temperature (°C)	-20 ~ +70	
Storage Temperature (°C)	-30 ~ +80	

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

2 . Typical Frequency Response Curve





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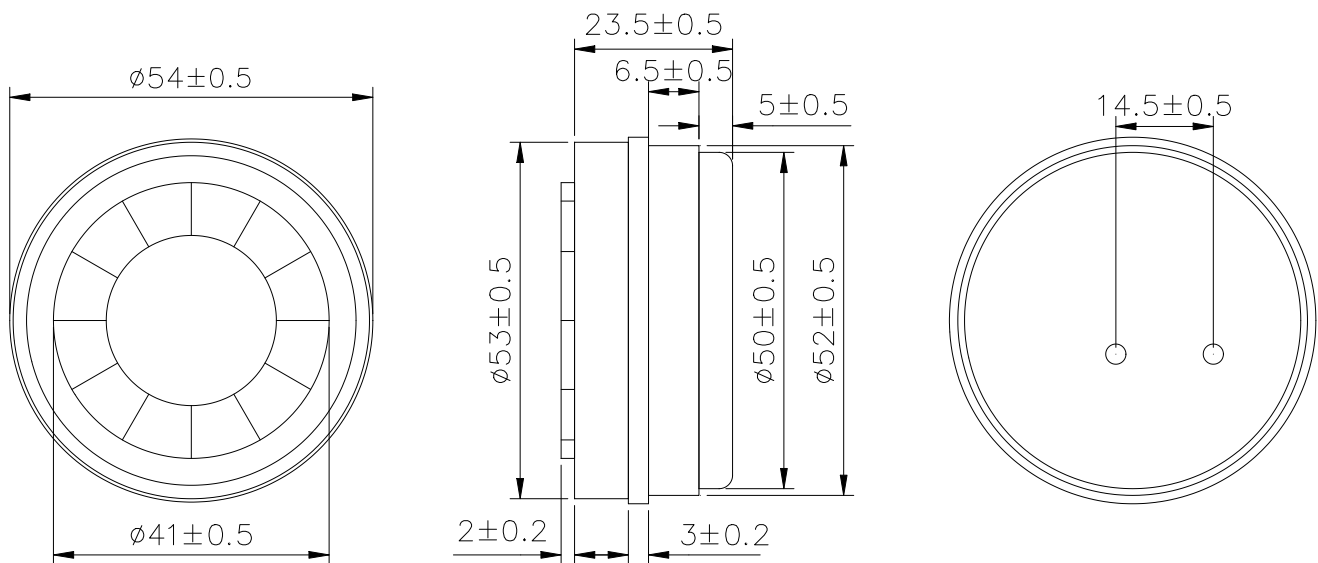
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3 . Dimensions and Material

3-1 Shape



Unit : mm

3-2 Material

Housing	ABS 757 plastic resin(Color : White)
Leading Wire	Lead wire(Red+Black)
Weight (Gram)	31



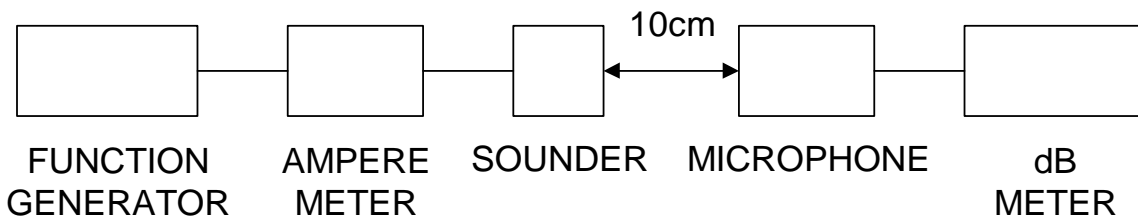
4. TESTING METHOD

· *Standard Measurement conditions*

Temperature: $25 \pm 2 \text{ }^\circ\text{C}$ 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 $-30 \text{ }^\circ\text{C}$ 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 $+80 \text{ }^\circ\text{C}$ 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 $40 \text{ }^\circ\text{C}$ 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> 50pcs per box, Total 10 boxes per carton, total 500pcs carton;

Volume: L*W*H=520*335*290mm。

<2> N . W . : ; 17KGS ; G . W . : 18KGS ;

<3> RoHS Mark