



HITPOINT

TEL:0512-65637706

FAX:0512-65633406

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

PS-593SCQ

(RoHS)

DATE:2006.03.30

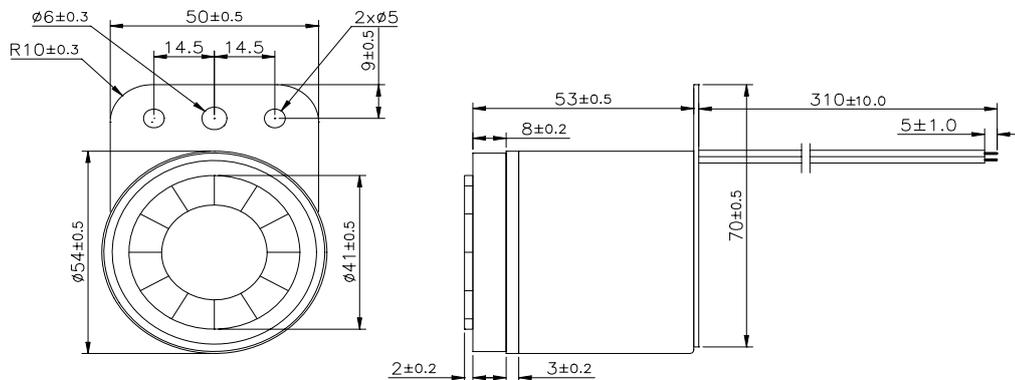
1 . Electrical Characteristics

VER .:2

Resonant Frequency (KHz)	1.5 ~ 3.5
Operating Voltage (Vdc)	5 ~ 15
Rated Voltage (Vdc)	12
Current Consumption (mA/max.)	150 at Rated Voltage
Sound Pressure Level (dB/min.)	110 at 100cm at Rated Voltage
Tone/Pulse Rate (Hz)	Sweep 3.3 ±20%
Operating Temperature (°C)	-20 ~ +70
Storage Temperature (°C)	-30 ~ +80
Manual soldering conditions	350±20°C / within 5sec

2 . Dimensions and Material

2-1 Shape



Unit : mm



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2-2 Material

Housing	ABS 757 plastic resin (Color : Black)
Leading Wire	14 AWG
Weight (Gram)	110.4

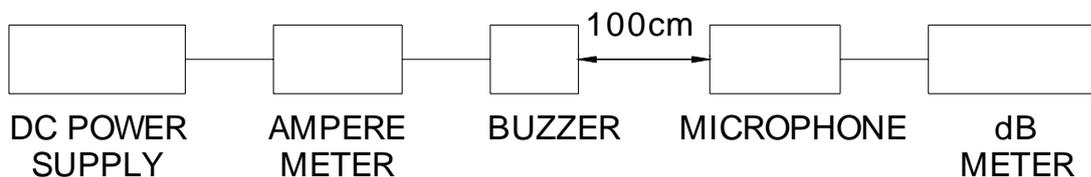
3. TESTING METHOD

· *Standard Measurement conditions*

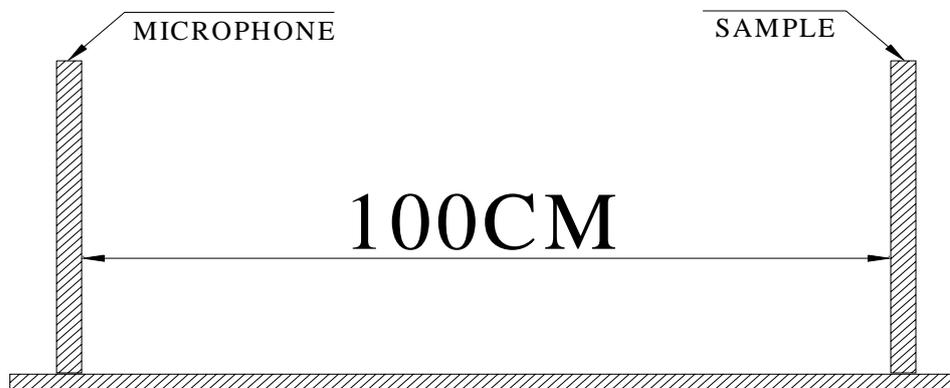
Temperature: 25 ± 2 °C Humidity: 45-60%

· *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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4. RELIABILITY

ITEMS	METHOD OF TEST AND MEASUREMENTS	PERFORMANCE
<i>Coldness withstanding</i>	<i>After 98 hours of being exposed to -30℃ 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℃ 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℃ 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>10sec on/10sec off ; 1000hours(180000 cycles)</i>	<i>No abnormality shall exist</i>
<i>Vibration withstanding</i>	<i>Linear vibrate frequency rate: 5~55Hz Time:180sec , applied in X, Y and Z directions for 3 times each.</i>	<i>No abnormality shall exist</i>

5. PACKAGE METHOD

<1> 10pcs per box , Total 10 boxes per carton , total 100pcs carton;
Volume: L*W*H=510*330*300mm

< 2 > RoHS Mark

