

SHOGYO INTERNATIONAL CORPORATION

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E-mail: INFO@SHOGYO.COM Website: WWW.SHOGYO.COM

SEP-8200

(ROHS)

DATE:2005.12.28

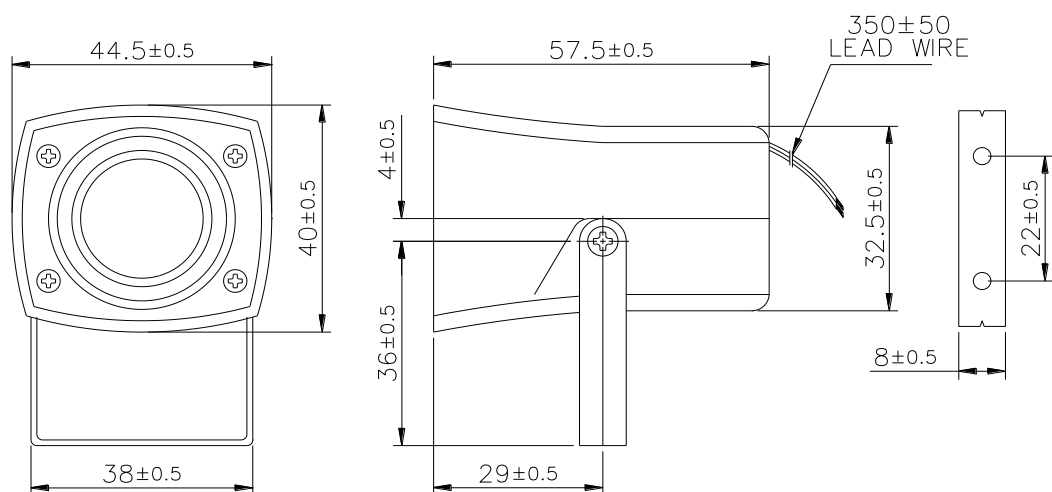
1 . Electrical Characteristics

VER .:0

Resonant Frequency (KHz)	1.5 ~ 4.0
Operating Voltage (Vdc)	5 ~ 15
Rated Voltage (Vdc)	12
Current Consumption (mA/max.)	200 at Rated Voltage
Sound Pressure Level (dB/min.)	105 at 100cm at Rated Voltage
Tone/Pulse Rate (Hz)	Sweep 4.5 ±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 UL94HB plastic resin (Color : Black)
Leading Wire	20 AWG
Weight (Gram)	49.8

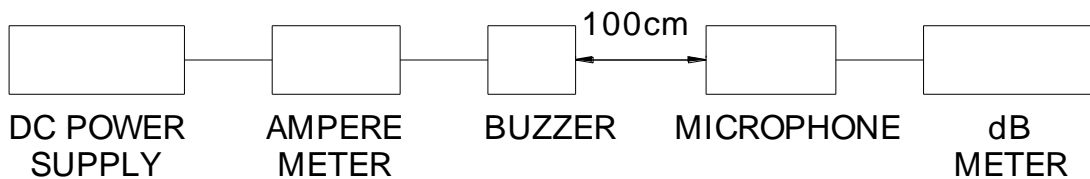
3. TESTING METHOD

· *Standard Measurement conditions*

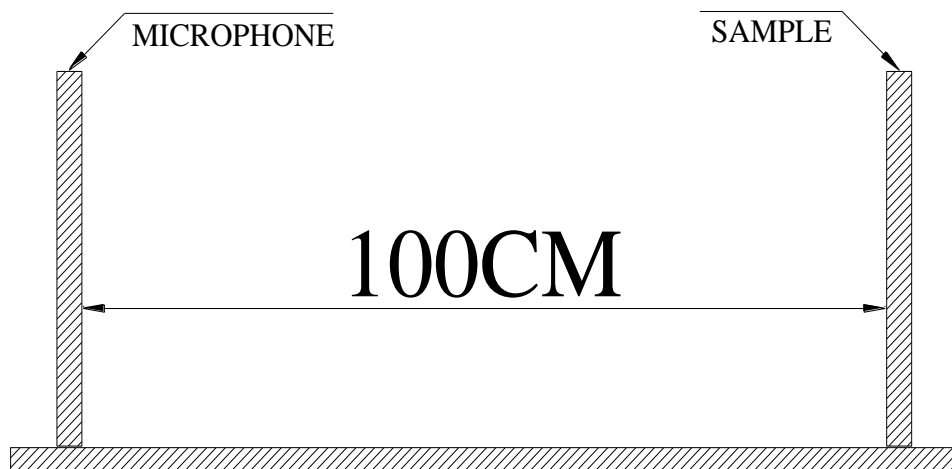
Temperature: 25 ± 2 °C Humidity: 45-60%

· *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
Coldness withstanding	After 98 hours of being exposed to -30 °C 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 °C 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 °C 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	10sec on/10sec off ; 1000hours(180000 cycles)	No abnormality shall exist
Vibration withstanding	Linear vibrate frequency rate: 5~55Hz Time:180sec , applied in X, Y and Z directions for 3 times each.	No abnormality shall exist

5. PACKAGE METHOD:SEP-8200(RoHS)

< 1 > 250pcs carton;

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

< 2 > RoHS Mark

