

SHOGYO INTERNATIONAL CORPORATION

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SEP-8100

(RoHS)

DATE:2009.06.05

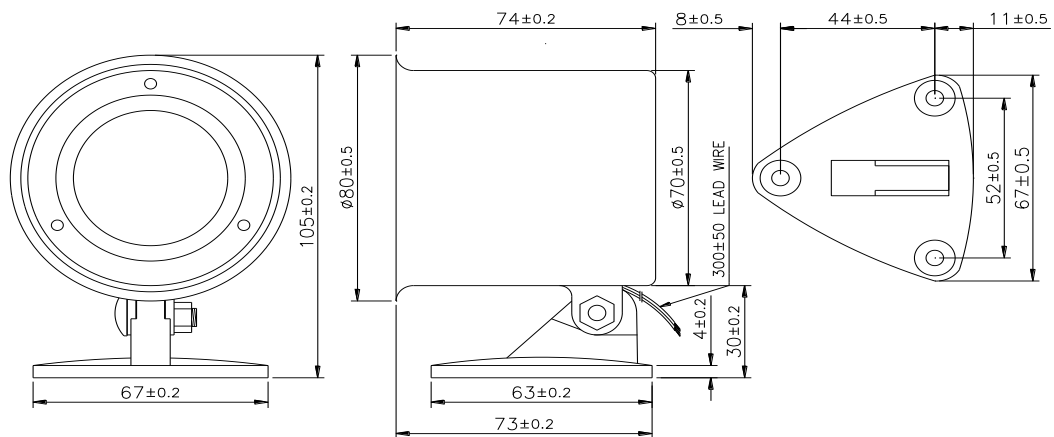
1 . Electrical Characteristics

VER .:2

Resonant Frequency (KHz)	1.5 ~ 3.5
Operating Voltage (Vdc)	5 ~ 15
Rated Voltage (Vdc)	12
Current Consumption (mA/max.)	400 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 ~ +60
Storage Temperature (°C)	-30 ~ +70

2 . Dimensions and Material

2-1 Shape



Unit : mm

2-2 Material

Housing	ABS 757 plastic resin (Color : Black)
Leading Wire	20 AWG
Weight (Gram)	114.2

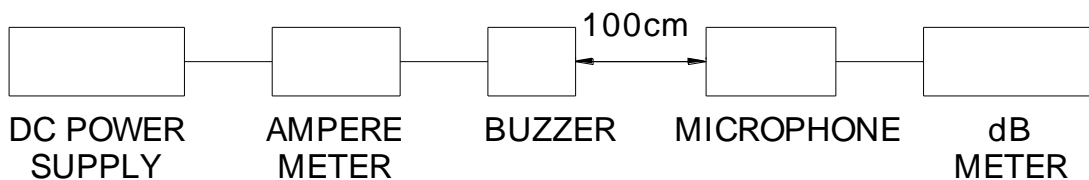
3. TESTING METHOD

- **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.



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

<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>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 > 5pcs per box , Total 10 boxes per carton , total 50pcs carton;
Volume: L*W*H=520*335*290mm
- < 2 > N . W . 11.4KGS ; G . W . 13.4 KGS
- < 3 > RoHS Mark: