INTERVOX Speakers from **International** C

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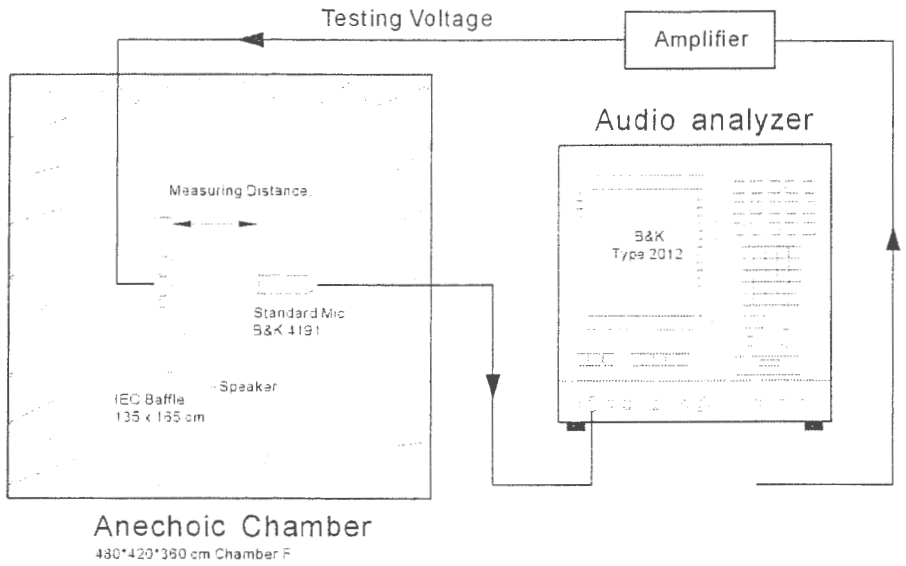
SPEAKER WITH AUDIO BOX		MODEL No. : **SB38X75-WCA-PAIR**
01	TYPE	Sound box
02	DC RESISTANCE	**8** Ω ± **15** % On Ohm Meter
03	RESONANCE FREQUENCY	FO : **310** ± **20** % Hz.
04	SOUND PRESSURE LEVEL	**82** ± **3** db **1.0** Watt **0.5** Meter Measured by KLIPPEL At **600** **800** **1000** **1200** Hz Average
05	FREQUENCY RANGE	**Fo** ~ **12000** Hz Average SPL–10 db
06	POWER RATING	Normal **3.0** Watt Maximum **5.0** Watt
07	DISTORTION	**5** % Maximum AT **1000** Hz **1.0** W
08	BUZZ&RATTLE	Must be Normal Test by **4.9** Volts Sine Wave.
09	LOAD TEST	Pink noise with HPF(High Pass Filter 235HZ-3db/Oct) **4.9** Volts (RMS.) **96** Hours
10	HEAT TEST	60 ± 2 °C **96** Hours
11	LOW TEST	-25 ± 2 °C **96** Hours
12	TEMPERATURE CYCLE TEST	-25 ~ +60 ℃ **4** Cycles
13	HUMIDITY TEST	40 ± 2 ℃ 90 % ~ 95 % **96** Hours
14	VIBRATION	Frequency 30 ± 15 Hz, Amplitude 1.5 mm for 3 Hours.
15	DROP TEST	75 CM free falling on Concrete floor, 10 times.

Test method and User precaution.

1. Characteristics measured according to standard GB/T 9396-1996
   1.1 Except other specified, measuring are under Temperature 15~35℃ R.H. 25 ~75%
   1.2 Judgement condition Temperature 20 ±2 R.H. 63~67%
   1.3 Product shelf life is valid for 12 months only.
2. Output Sound Pressure Level (S.P.L.) and distortion testing setup



3. Environment & Mechanical test:

3.1 High Temperature: GB2423.2-81

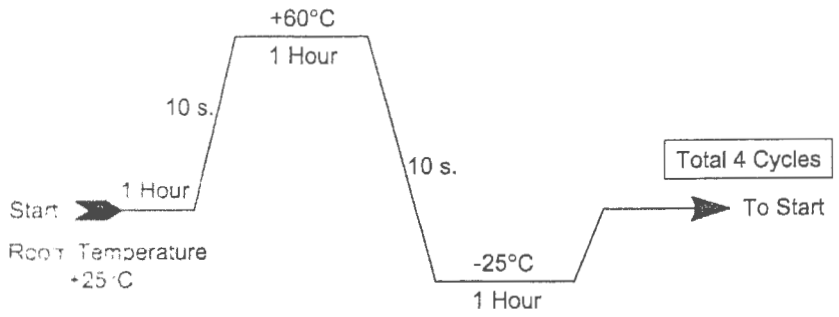
After exposure the speaker in the + 60 ± 2 °C chamber for 96 hours, then leave the speaker at room temperature for 1 hour, the SPL should not deviate by ± 3 db, and resonant frequency should not deviate by ± 50 Hz, compare with pre-test measurement.

3.2 Low Temperature: GB2423.1-81

After exposure the speaker in the –25 ± 2 °C chamber for 96 hours, then leave the speaker at room temperature for 1 hour, the SPL should not deviate by ± 3 db, and resonant frequency should not deviate by ± 50 Hz, compare with pre-test measurement.

3.3 Temperature cycle: GB5170.18-87

After exposure the speaker in the chamber, temperature cycle setting as below shows, SPL should not deviate by ± 3 db, and resonant frequency should not deviate by ± 80 Hz, compare with pre-test measurement.



3.4 Humidity: GB5170.18-87

After exposure the speaker in the + 40±2 °C, relative humidity 90% ~ 95% chamber for 96 hours then leave the speaker at room temperature for 6 hours, the SPL should not deviate by ±3 db, and resonant frequency should not deviate by ±50 Hz, compare with pre-test measurement.

3.5 Vibration: GB11606.8-89

Frequency 30±15 Hz, Amplitude 1.5 mm for 3 Hours. After test, SPL shall not deviate by ±3 db from pre-test measurement,

3.6 Load test: GB/T 9396-1996

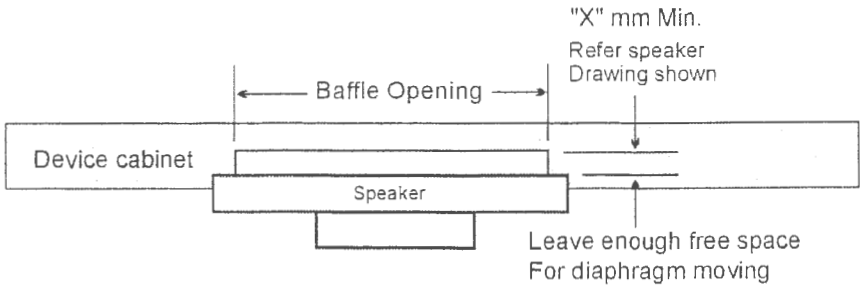
Speaker should not fail after apply 20 ~ 20K Hz Pink noise with HPF rated power input (RMS), 96 hours. After test, SPL shall not deviate by ±3 db from pre-test measurement,

3.7 Drop test: GB2423.8-81

75 cm free falling on concrete floor, 10 times. After test, SPL shall not deviate by ±3 db from pre-test measurement,

4. Mounting precaution

In order to keep speaker work normally, there shall leave enough free space for diaphragm moving, minimum distance required is marked in speaker mechanical drawing.



5. Measuring & standard referenced

Abstract from GB/T 9396-1996 and IEC 268-5:1989 methods of measurement for main characteristics of loud speakers.

5.1 Rated sine voltage.

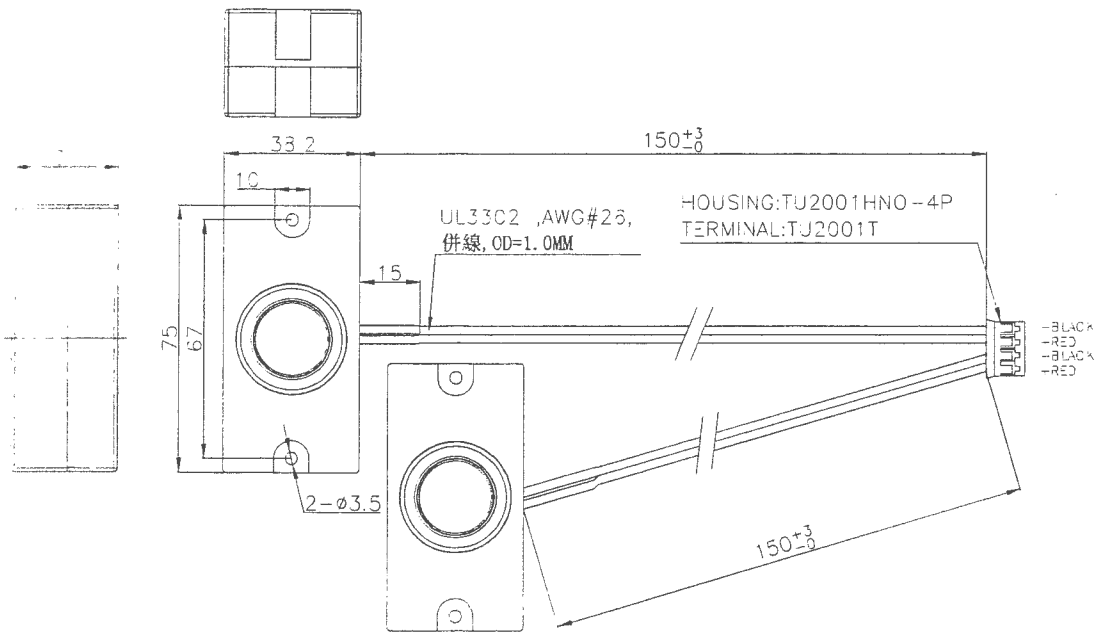
It is stipulated by manufacturer, sine signal voltage that make speaker work continuously in rated frequency range, but the speaker wouldn't be damaged heartily or mechanically. The persist time of the voltage is 1 hour.

5.2 The rated sine power.

The rated sine power is corresponding with the rated sine voltage, its definition is U_s^2/R, Us indicates the rated sin voltage, R indicates the rated impedance.

5.3 The rated noise power.

The rated noise power is corresponding with the rated noise voltage, its definition is U_n^2/R, Un indicates the rated noise voltage, R indicates the rated impedance.



RANGE / TOL.			√		
0-6	±0.05	±0.1	±0.15	±0.2	±1
6-18	±0.1	±0.15	±0.2	±0.3	±2
18-24	±0.15	±0.2	±0.3	±0.3	±2
24-50	±0.2	±0.25	±0.3	±0.4	±3
50-100	±0.25	±0.3	±0.5	±0.5	±3
>100	±0.3	±0.4	±0.4	±0.8	±5

⊗ CRITICAL DIMENSIONS | ENVIRONMENT REQUIREMENT:

CUSTOMER PN:

DATE: 11/05/15 | MATERIAL: | COLOUR:

ITEM	DD/MM/YY	CONTENTS OF CHANGE	SPONSOR

INTERNATIONAL COMPONENTS CORPORATION
215 MCCORMICK DRIVE, BOHEMIA, NY 11716
FAX: 631-952-9595 FAX: 631-952-9597

SB38X75-WCA-PAIR

Unit: mm	VER: 00	Appr.:	
	Scale: 1:1	CHK.:	Dwg.: 龐善昌

SHEET NO.1 OF 1

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SB38X75-WCA-PAIR VOL:2.83V(1W) DIS:0.5M