

1. Product Outline

1-1 Scope	This specification is applied for speaker box.
1-2 Dimension	As shown in fig (1).
1-3 Net Weight	Approx. 2.0 g

2. Electrical and Acoustical Characteristics

2-1 Test Set Up	Measuring conditions and procedures shown in fig (2).
2-2 Nominal Impedance	$8\Omega \pm 15\%$
2-3 Resonant Frequency	$1,700\text{Hz} \pm 20\%$
2-4 Sound Pressure Level	$88 \pm 3 \text{ dB}$ average: 2KHz~4KHz. Input 1.55Vrms sine wave/10cm by IEC268-5 1/2 standard baffle
2-5 Frequency Response	FO ~ 20KHz ,As shown in fig (3)
2-6 Input Power (Nom./Max.)	0.3W /0.5W
2-7 Audible Noise	Must not be audible noise (buzzes and rattles) At 1.55Vrms Sine wave between 500Hz ~2KHz
2-8 Distortion	10% Max. Nominal power input 1,000Hz
2-9 Polarity	When a positive DC current is applied to the voice coil terminal marked +, the diaphragm shall move forward.
2-10 Operation Temperature	$-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$
2-11 Storage Temperature	$-30^{\circ}\text{C} \sim +80^{\circ}\text{C}$

3. Reliable Test

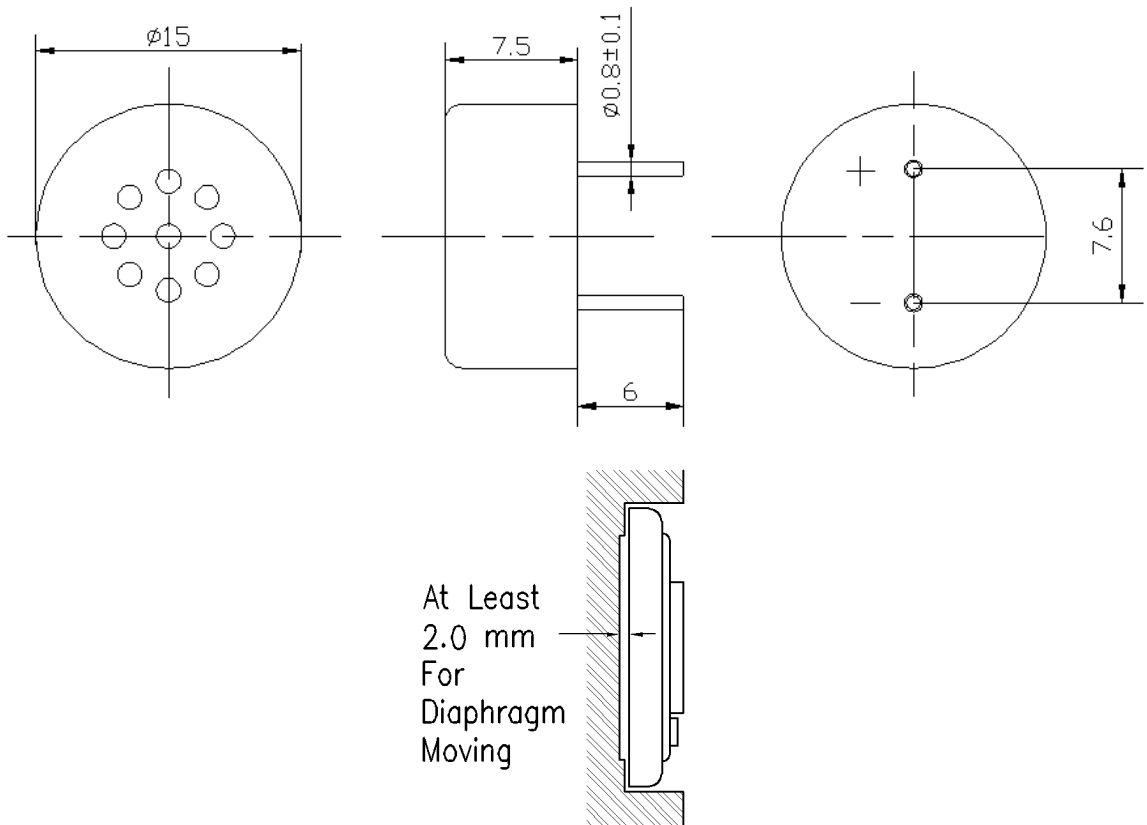
3-1 Load Test	Must be normal after load test: white noise 0.3W/48hrs.
3-2 High Temperature Test	$+80 \pm 3^{\circ}\text{C}$ /1hrs and then 1hr room temp.
3-3 Low Temperature Test	$-30 \pm 3^{\circ}\text{C}$ /1hrs and then 1 hr room temp.
3-4 Humidity Test	$+40 \pm 3^{\circ}\text{C}$ /90 ~ 95% RH/ 48hrs and then 1 hr room temp.
3-5 Drop Test	The speaker is placed in a normal box, drops testing by 5 times from 75cm height free falling onto 1cm thick wood floor.

Test result of 3-1 ~ 3-5 should be satisfy 2-2 ~ 2-8.

4. Remark

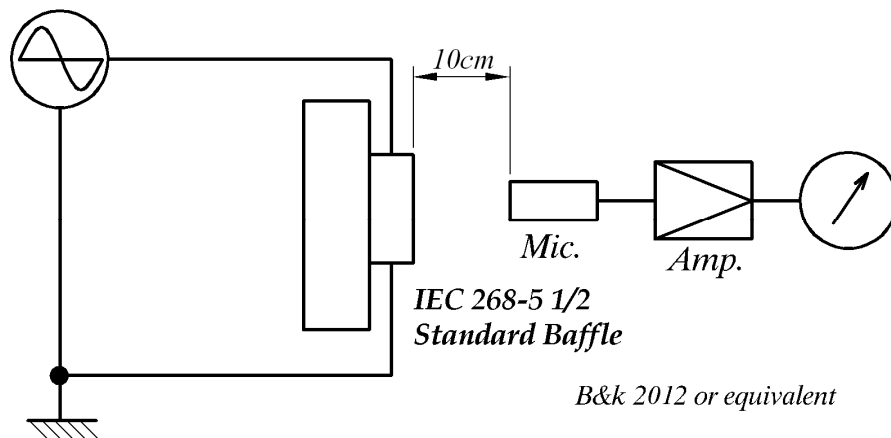
因環保規範、材料取得、製程精進等因素，在規格特性未變更下，本公司得就材料逕行調整，毋須通知客戶。
At the same spec of material changed without notice, due to the environmental protection , material sources and process improvement norms etc.

Dimensions Unit: mm ± 0.5



(Fig. 1)

Electrical and Acoustical Measuring Condition



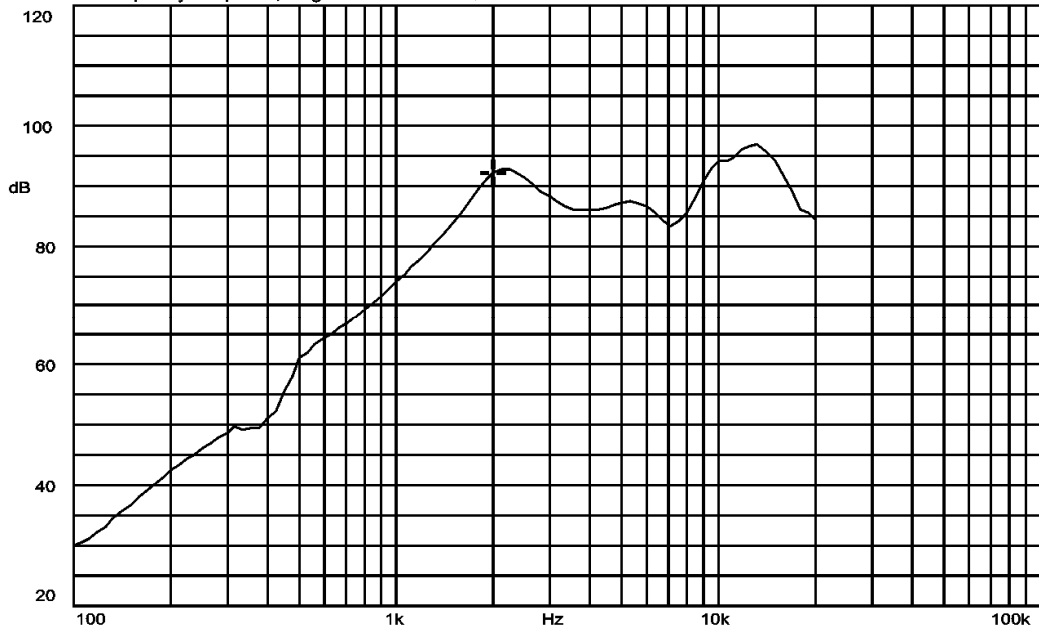
(Fig.2)

Frequency response of LF-KB15B075A

Input Voltage: 1.55Vrms sine wave

Measuring by IEC268-5 1/2 std. Baffle at 10cm

LF-KB15B075A 1.55V by IEC268-5 1/2 Std baffle 10cm
X:2.0000kHz *Y:92.21dB ZA:2.0000 SSR Fund.
A: Frequency Response, Magn dB re 20.00 μ Pa



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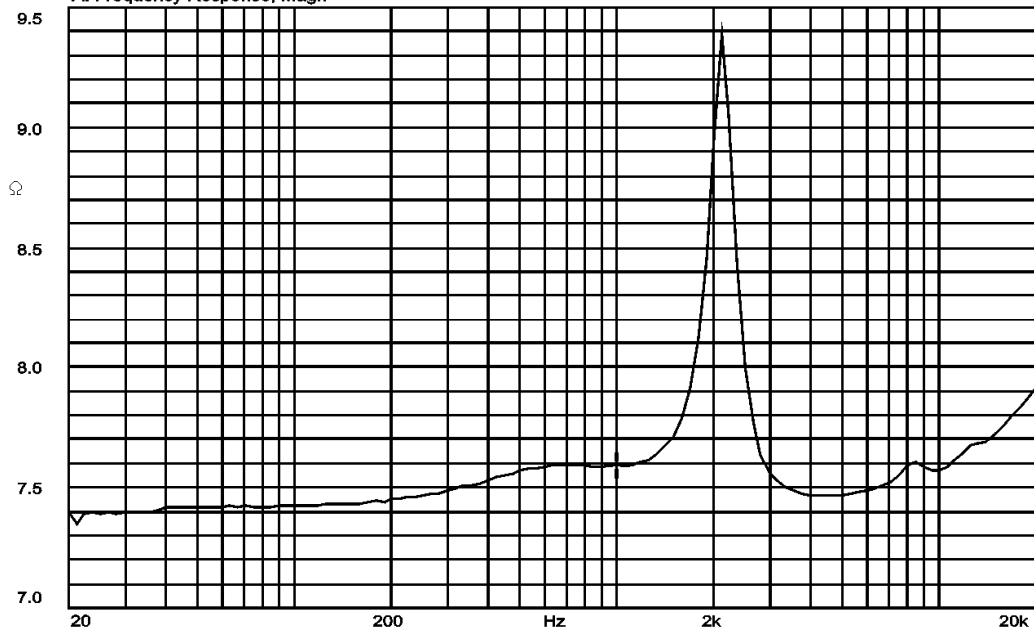
Mode: SSR



(Fig.3)

Impedance Response Curve of LF-KB15B075A

LF-KB15B075A Impedance test
X:1.0000kHz Y:7.591 Ω ZA:Live Curve
A: Frequency Response, Magn



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Mode: Ohm Unit



(Fig.4)