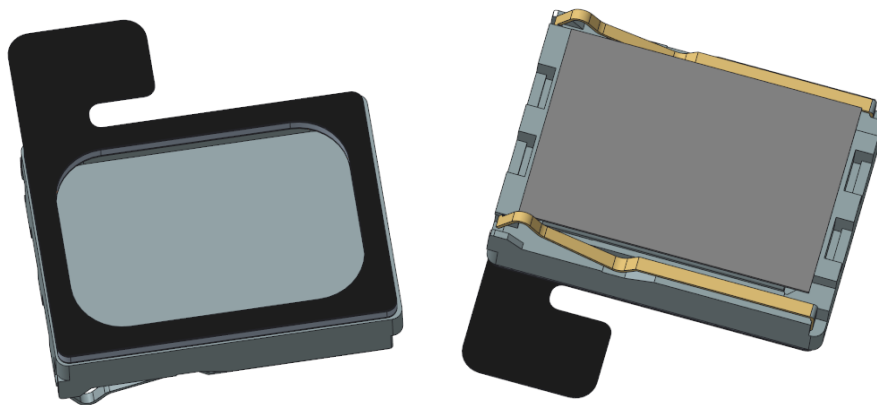




CR1511L035UN8 Speaker With Gasket and Insulating Sheet

CR1511L035UN8GDARI-4

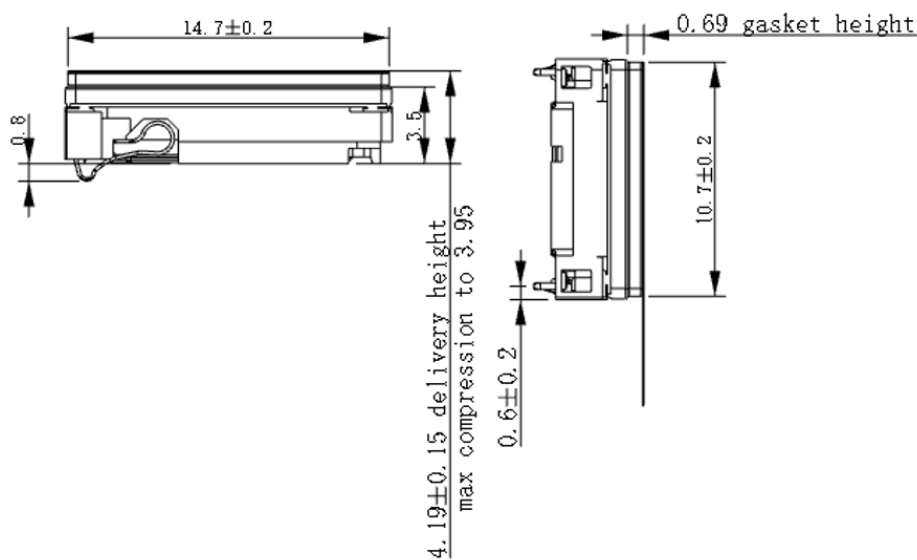


Revision

Date	Version	Status	Changes	Approver
2020/7/15	V0.1	Draft	First release	WG

1. Mechanical Characteristics

1.1. Mechanical Drawing



Missing information see specification Doc. CR1511L035UN8

1.2. Material List

Speaker	CR1511L035UN8
Foam	Poron 4790-92-12020-04P
Adhesive	Tesa4980
Insulating Sheet	FKBMAP 100

2. Related document

2.1. Condition

Test and measurement will be carried out under normal condition of temperature within 5°C to 35°C, relative humidity within 45% to 85% and air pressure of 860 mbar to 1060 mbar.

Should uncertainly arise in data obtained from the above atmosphere, control of temperature at 20°C $\pm$ 2°C and relative humidity within 60%and 70%, with air pressure remaining unchanged, to be enforced.

2.2. Electrical and acoustical specification

2-1	Rated Input Power.	0.7W (in 1.0cc box)
2-2	Max Input Power.	1.0W (in 1.0cc box)
2-3	Rated Impedance.	$8\Omega \pm 15\%$
2-4	Sound Pressure Level. (S.P.L)	89 ± 3 dB SPL /0.7W/0.1M at AVE 0.8K 1.0K 1.2K 1.5K Hz
2-5	Resonance Frequency (Fo).	550 $\pm$ 20% Hz 850 20% Hz while testing in 1cc box
2-6	Frequency Range.	F0~10kHz.
2-7	Distortion	Less than 10% 800Hz-1KHz input1V
2-8	Magnet	Rare earth permanent (NdFeB) magnet
2-9	Buzz, Rattle, etc.	Must be normal at sine wave 2.35V(in 1.0cc box) from 400~5000Hz
2-10	Polarity	When positive voltage is applied to the terminal marked (+), diaphragm should move to the front.
2-11	Appearance	Should not exist any obstacle to be harmful to normal operation; damages, cracks, rusts and distortions, etc.
2-12	Weight.	APPROX. 1.5 grams
2-14	Temperature	Operating temperature: -20°C to +60°C(at 1cc box) Storage temperature: -30°C to +70°C((at 1cc box)

2.3. Measuring method

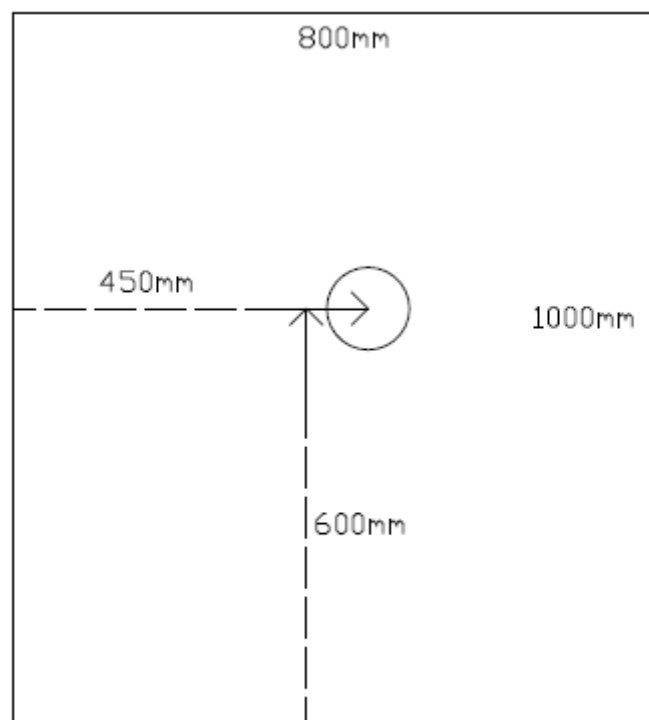


FIG.1

3. 1Block Diagram For Measurement Method.

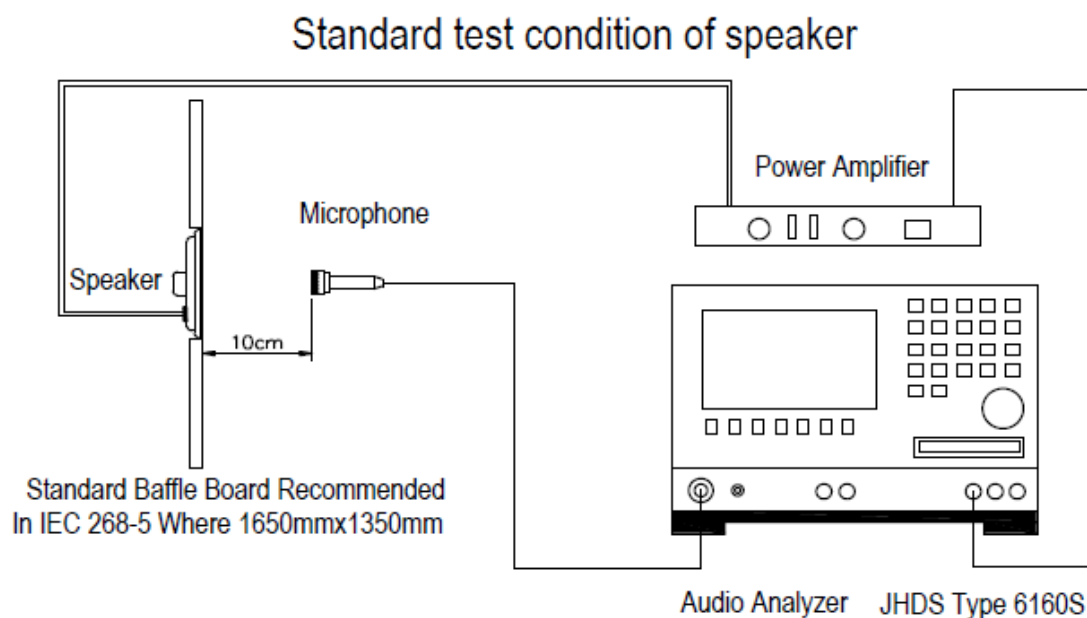


FIG.2

2.4. Frequency Response

The swept sine-wave frequency response of a Loud speaker should ideally not deviate more than indicated per Fig.3

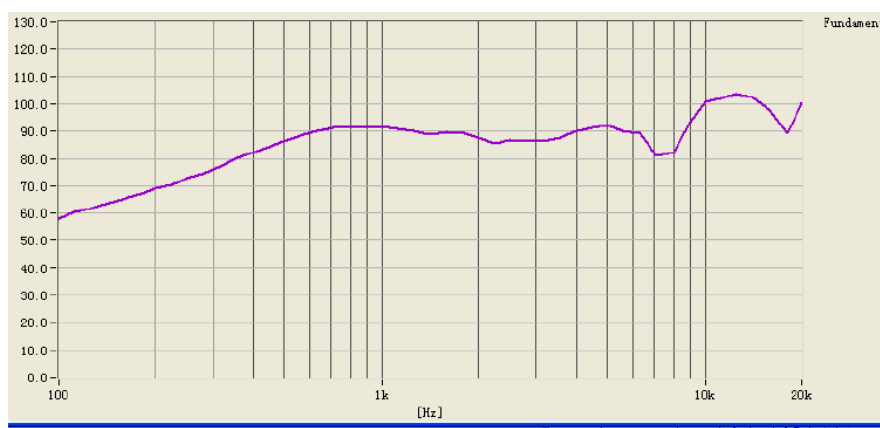
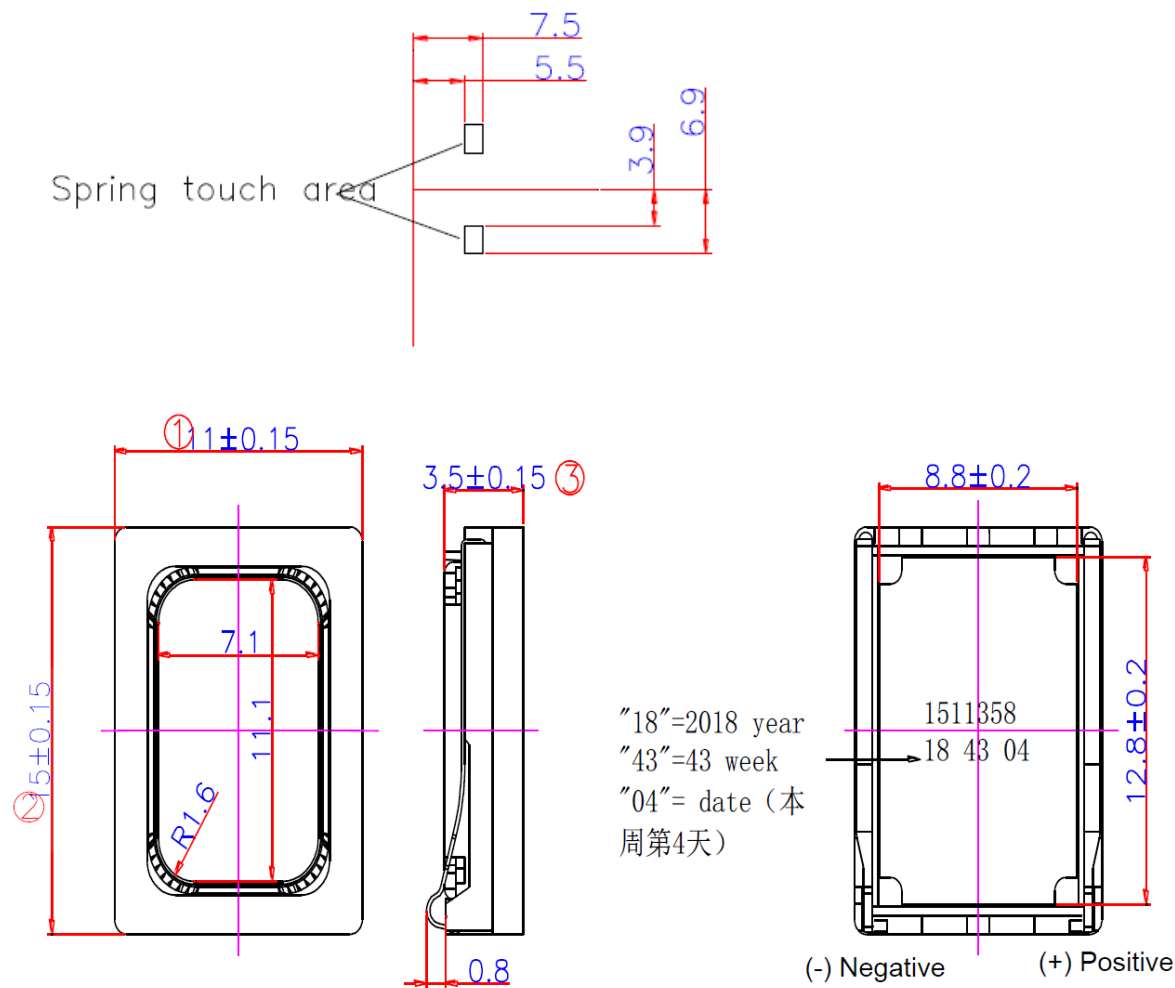


FIG.3

2.5. Environment test

ITEM		SPECIFICATIONS
01	High temp. Test	Keep 96 hours at $+85^{\circ}\text{C} \pm 3^{\circ}\text{C}$ and leave 3 hours in normal temperature and then check
02	Low temp. Test	Keep 96 hours at $-40^{\circ}\text{C} \pm 3^{\circ}\text{C}$ and leave 3 hours in normal temperature and then check
03	Humidity test	Keep 96 hours at $+40^{\circ}\text{C} \pm 3^{\circ}\text{C}$ relative humidity 92-95% and leave 3 hours in normal temperature and then checked.
04	Temp./Humidity cycle	The part shall be subjected 20 cycles. One cycle shall be consist of 单体承受温度循环 20 次测试, 如
05	Vibration	10~55~10Hz sin-wave sweep 15min. 5G(constant) X,Y, Z 3 direction. 2 hours each, total 6 hours.
06	drop test	Drop the speakers contained in normal box onto the board 40mm thick 10 times from the height of 75cm
07	Load test	Rate Power Pink noise is applied for 96 hours at room temp
08	Lead Wire Pull Strength	The pull force shall be applied to double lead wire : Horizontal 3.0N(0.306kg) for 30 seconds. Vertical 2.0N(0.204kg) for 30 seconds.
Criterion : After these test , the change of S.P.L shall be within $\pm 3 \text{ dB}$		

2.6. Dimensions



Unit: mm Tol:±0.2

5	Diaphragm	1	PEEK	
4	VOICE COIL	1	COPPER WIRE	
3	Plate	1	SPCC	
2	Magnet	3	NdFeB	
1	Frame	1	PPA	
The material must be meet to GU-001				
PART NO.	PART NAME	Q'TY	MATERIAL	REMARK

2.7. PACKING

每盘 100 个

每箱 20 盘

总计:2000 个 / 1 箱

毛重: 4.5KGS

净重: 3.0KGS

100pcs of speaker in each tray

20 trays in one carton

Total:2000pcs / 1 carton

Gross Weight:4.5KGS

Net Weight: 3.0KGS

