Speaker
SS1004-111528-95P

Description
This speaker is designed to convert electrical signals into sound waves. It is commonly used in electronic devices such as smartphones, laptops, and portable speakers to produce audio output. The speaker consists of a diaphragm that vibrates in response to the electrical signals, creating sound waves that are amplified by the speaker's enclosure.

Applications
- Electronic devices
- Industrial and commercial equipment
- Home appliances
- Toys and games
- Sound effects
- Audio Alerts
- Warning Signals

Electrical And Acoustical Specification

Parameter	Description
Rated Input Power	1.0 W (in 1 cc box)
Max Input Power	1.2 W (in 1 cc box)
Rated Impedance	4Ω ± 15%
Sound Pressure Level (S.P.L)	89dB(0.1W/0.1m) ± 3 dB at 1.0K in 1 cc box
Resonance Frequency (Fo)	550±20%Hz
Frequency Range.	F0 ~ 20kHz.
Distortion	Less than 5% at 1KHz input Rated Power
Magnet	Rare earth permanent (NdFeB) magnet
Polarity	When positive voltage is applied to the terminal marked (+), diaphragm should move to the front.
Buzz, Rattle, etc.	Should not be audible at 4.0V sine Wave between Fo to 20KHz
Appearance	Should not exist any obstacle to be harmful to normal operation; damages, cracks, rusts and distortions, etc.

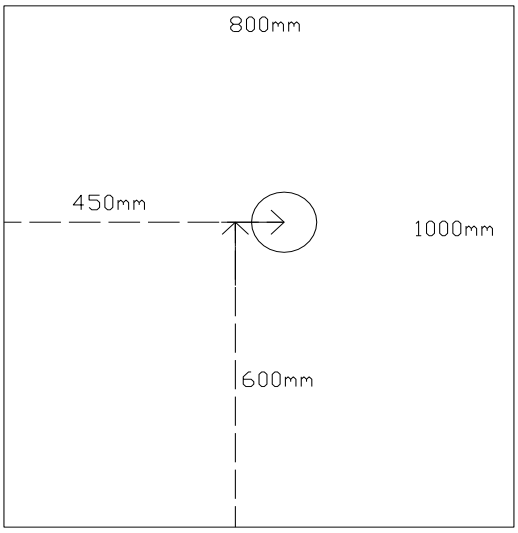
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Weight	1.5g
Temperature	Operating temperature: -25~+60℃ Storage temperature: -25~+60℃

Measuring Conditions

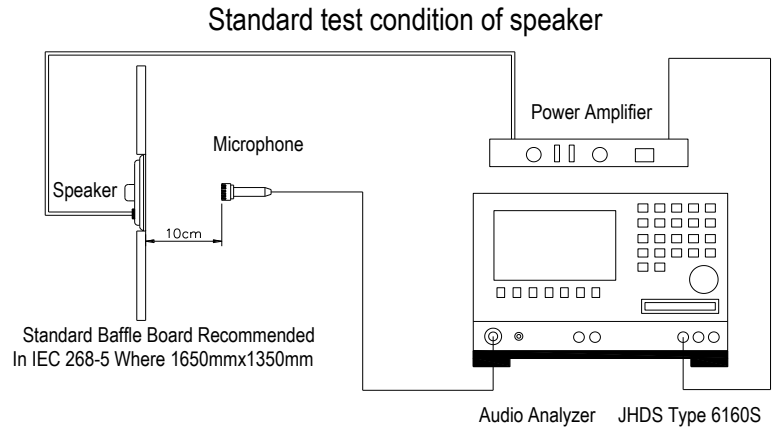
Above Measuring condition under temperature :
15~35℃ R.H. 25 ~75%.86 kPa to 106 kPa (860 mbar to 1 060 mbar According to standard GB/T 9397—200X and IEC 60268-1

Measuring Method



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Block Diagram For Measurement Method.

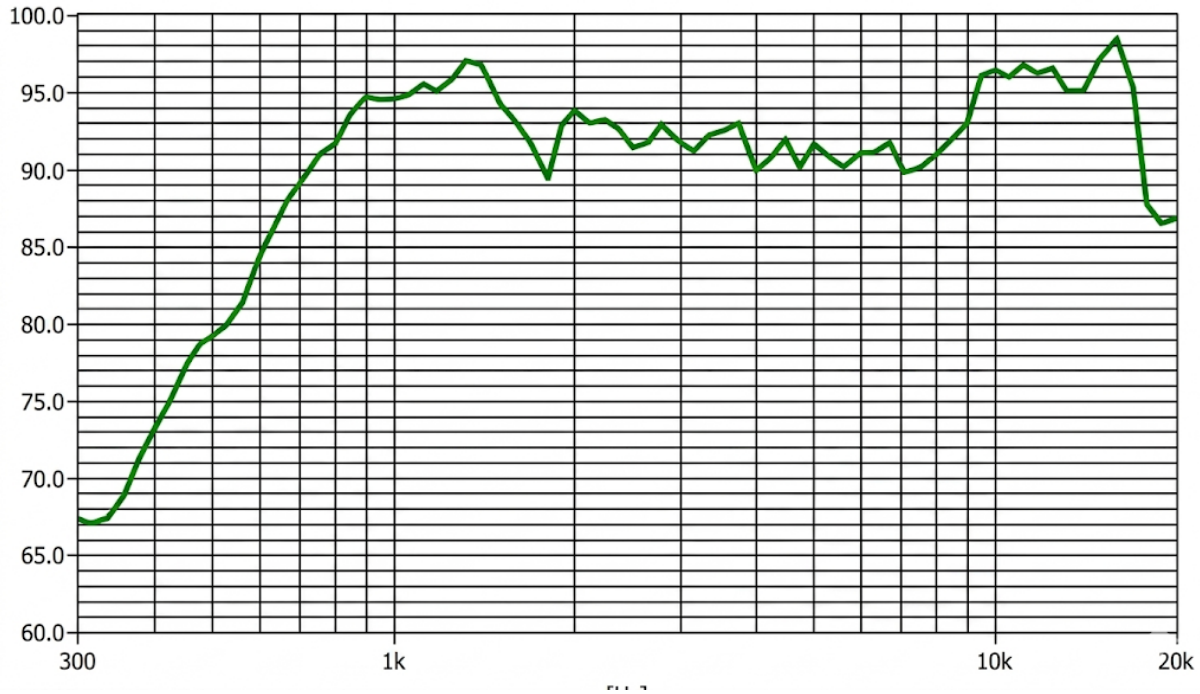


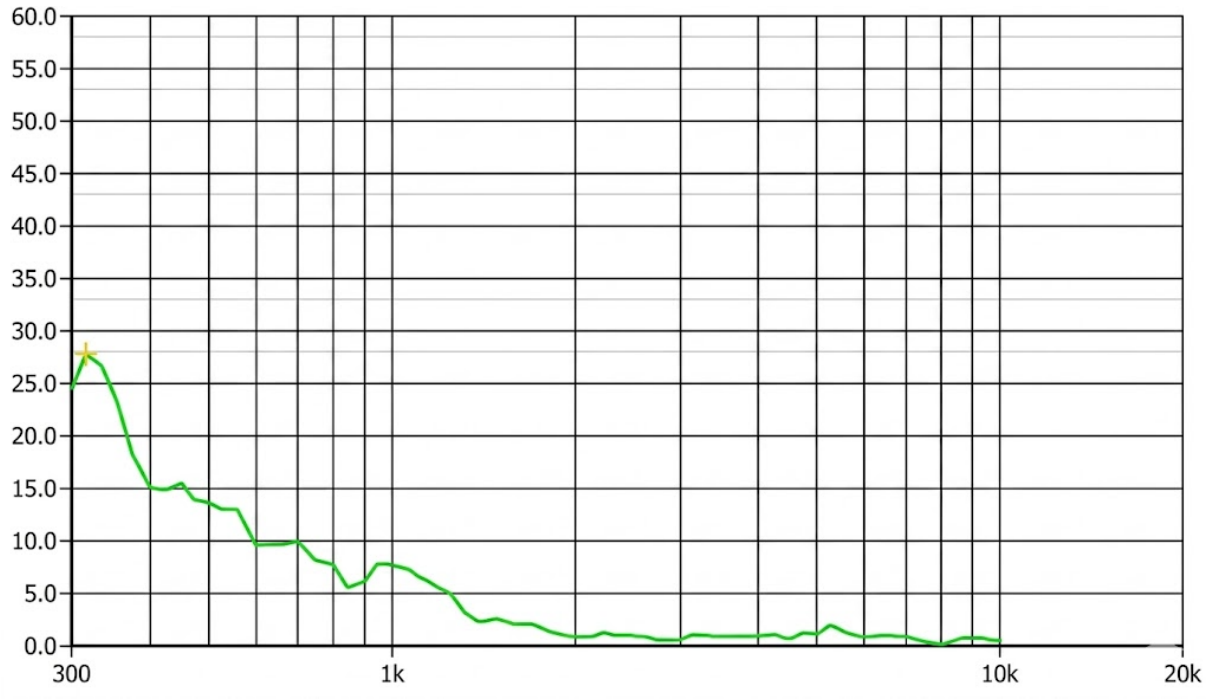
Frequency Response Curve

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

Test condition: Vol: 2V Distance 0.1m in 1 cc box.

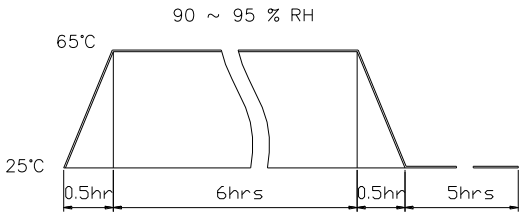
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Environment Test

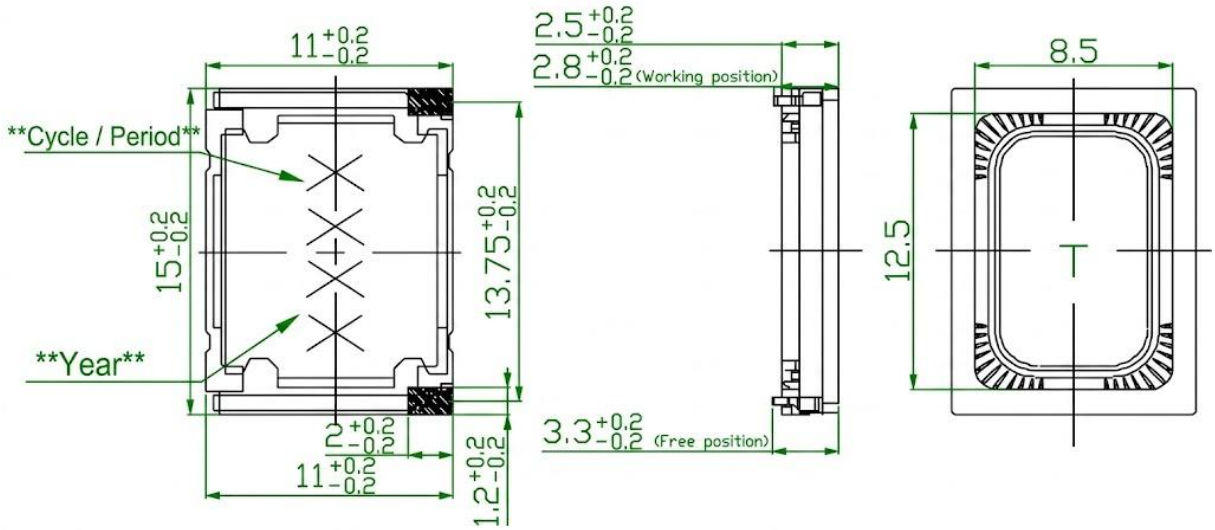
Parameter	Description
High temp. Test	Keep 96 hours at +60 ± 3°C and leave 3 hours in normal temp and check again
Low temp. Test	Keep 96 hours at -25 ± 3°C and leave 3 hours in normal temp and check again
Humidity test	Keep 96 hours at +40 ± 3°C with Relative Humidity(RH)90~95% and leave 3 hours in normal temp and check again

Temp./Humidity cycle	The part shall be subjected 5cycles. One cycle shall be 12 hours and consist of: 
Thermal cycle test.	Low temperature: -25℃±3℃, temperature:+60℃±3℃, cycle: 1 hour/cycle each, and then keep 5 cycles in a room.
Vibration	Frequency 10-50-10Hz sin wave sweep 15 minutes 5G (Constant) X,Y, Z 3 directions 2 Hours each, total 6 hours
Fixed drop test	Fix on jig. Then drop from 152cm height to the concrete floor X, Y, Z 6 direction. 5 times each, total 30 times.
Free drop test	Free drop from 100cm height to the concrete floor X,Y, Z 6 direction. 1 times each, total 6 times.
Load test	Rated Power White noise is applied for 96 hours
Max Power test	Max power 1 min. on - 2 min. off 10 cycles.
Terminal strength test	Capable of withstand 1kg load for 30 seconds without resulting in any damage or rejection.
Criterion : **After these test , the change of S.P.L shall be within ±3 dB**	

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Dimensions

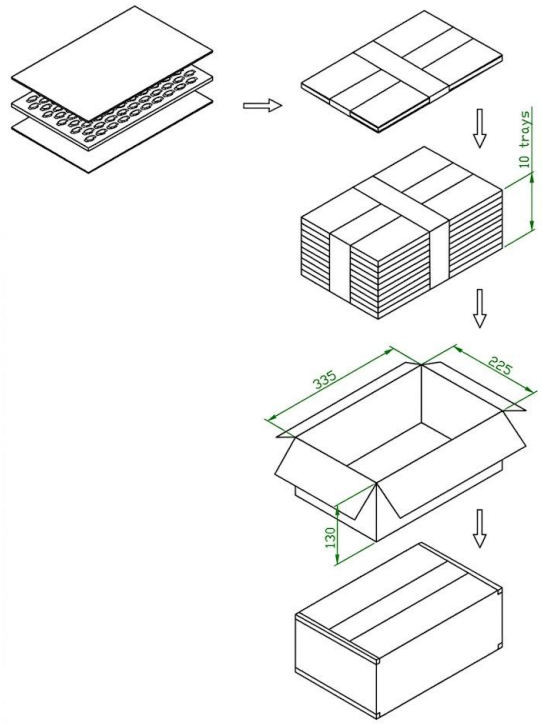


Unit:mm Tol:±0.5

PART NO.	PART NAME	Q'TY	MATERIAL	REMARK
1	Diaphragm	1	Peek	
2	Voice Coil	1	Copper wire	
3	Plate	1	SPCC	
4	Magnet	1	NdFeB	
5	Frame	1	PPA	
The material must be meet to GU-001				

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Packing



Remark:
100 pcs per tray
20 trays for unit, 1 units per carton
Total: 2000 pcs per box
Size: 33.5*22.5*13cm

Ordering information

Ordering can be done via www.summit-electronics.com or via info@summit-electronics.com. Please contact us for more information. Customisation of the product is available on request.

Technical support

For all product questions please contact us via info@summit-electronics.com

Document revision

Rev	Date	Changes
V01.00	27-05-2026	First issue of document