



Square loudspeaker

66.0 × 31.0 mm

With IP65 waterproof

CS66L31DF8

Revision

Date	Version	Status	Changes	Approver
2018/12/18	V0.1	Draft	First release	AX

SPECIFICATIONS

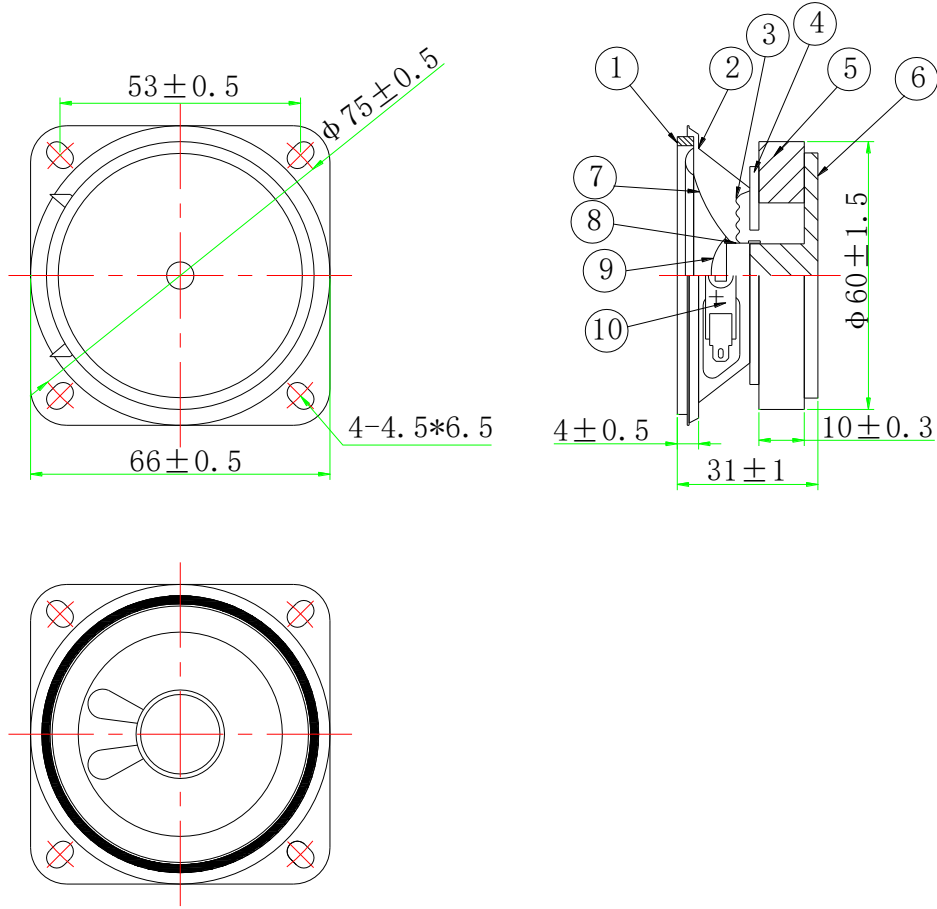
Parameter	Conditions/Description	Values	Units
Rated Input Power		10	W
Max Input Power		15	W
Rated Impedance	at 2.0 kHz	8±15%	Ω
Sound Pressure Level	at 0.6K 0.8K 1.0K 1.2K Hz in1W/0.5M	86±3	dB
Resonant Frequency	at 1.0 V	250±20%	Hz
Frequency Range	Output S.P.L. -10dB	Fo~20K	Hz
Distortion	at 1K Hz, input 1W,	< 5%	-
Magnet	Ferrite	Φ60*Φ32*10	mm
Buzz, Rattle, etc.	must be normal at sine wave between Fo ~ 5K Hz	8.95	V
Polarity	cone will move forward with positive dc current to “+” terminal		
Weight		200	g
Operating		-20~+60	°C
Storage Temperature		-30~+70	°C
Waterproof Rating		IP65	

Notes: All specifications measured at 5~35°C, humidity at 45~85%, under 86~106 kPa pressure, unless otherwise noted.

MECHANICAL DRAWING

Units: mm

Tolerance: $\pm 0.5\text{mm}$



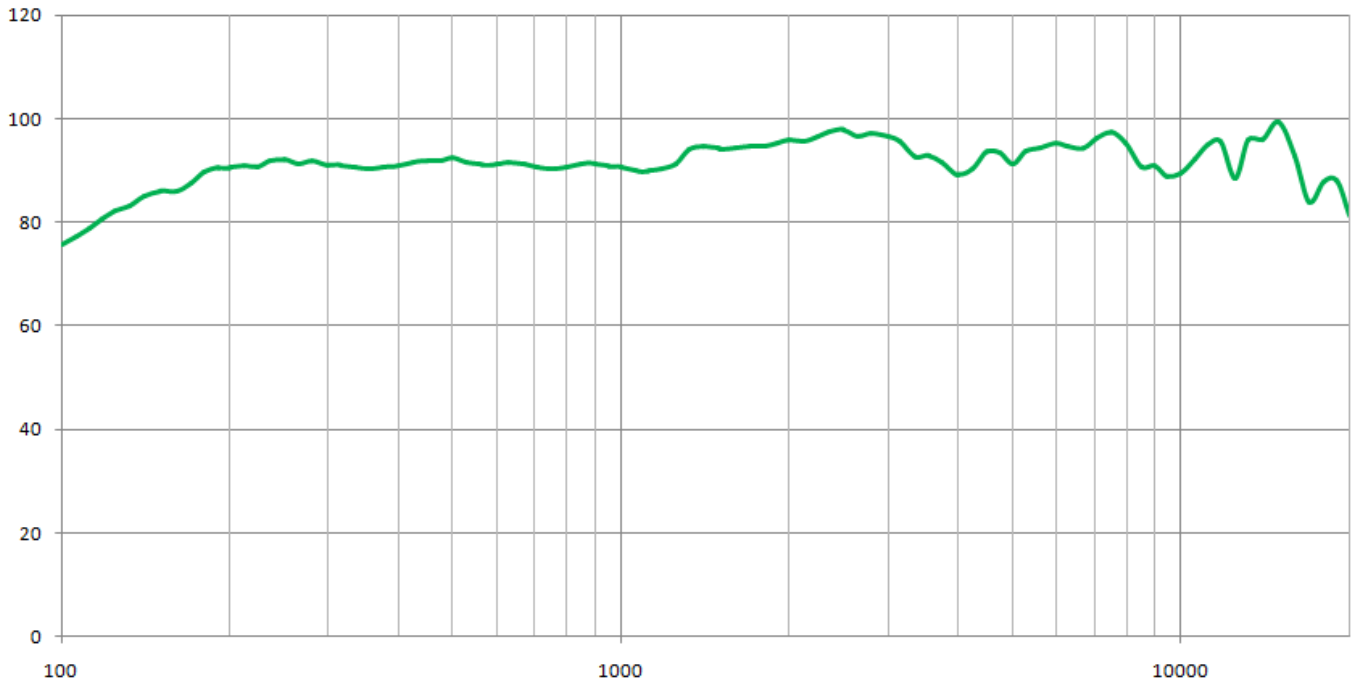
CONSTRUCTION DETAIL

PART NO.	PART NAME	Q' TY	MATERIAL	REMARK
1	Cap	1	PET	
2	Diaphragm	1	Cloth+ Paper	
3	VOICE COIL	1	ASV+Cu	
4	T-yoke	1	SPCC	
5	Magnet	1	Ferrite	
6	PCB Terminal	1	Paper+steel	
7	Frame	1	SPCC	

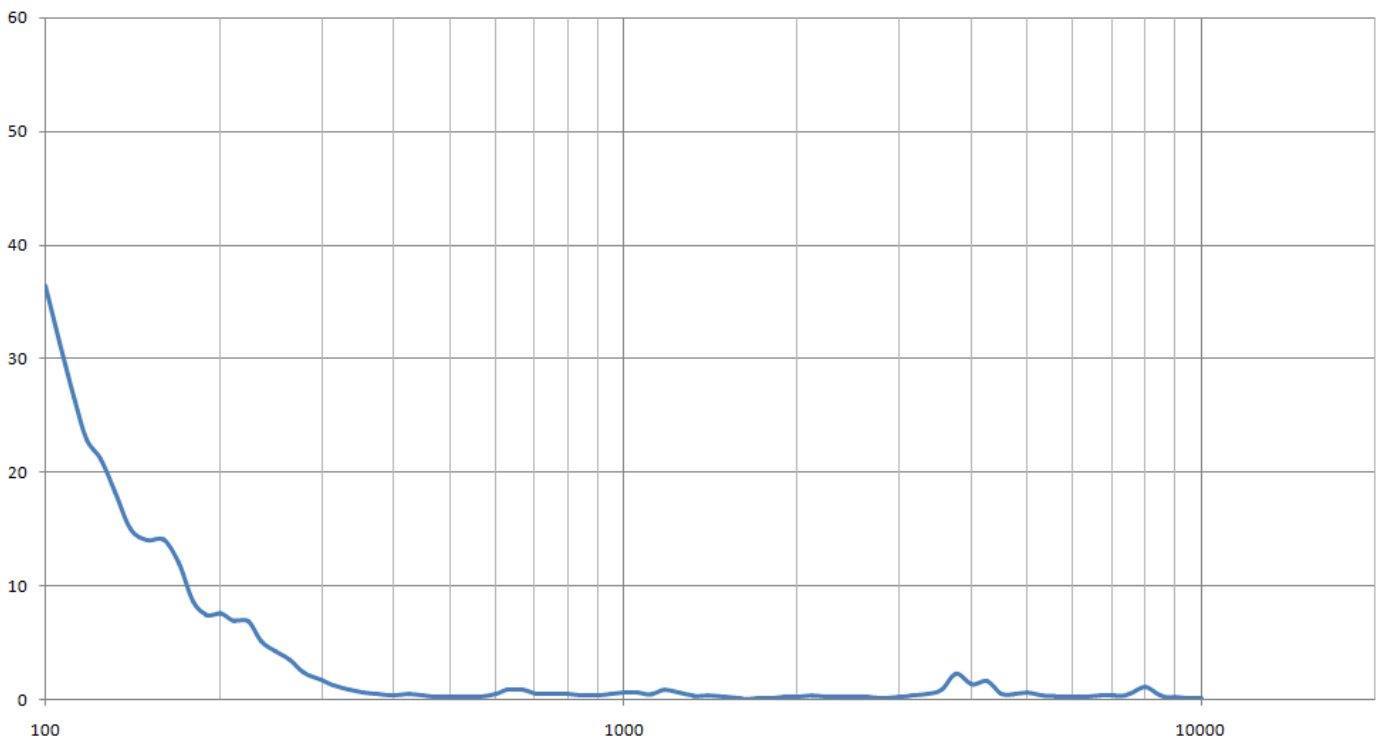
RESPONSE CURVES

Frequency Response Curve

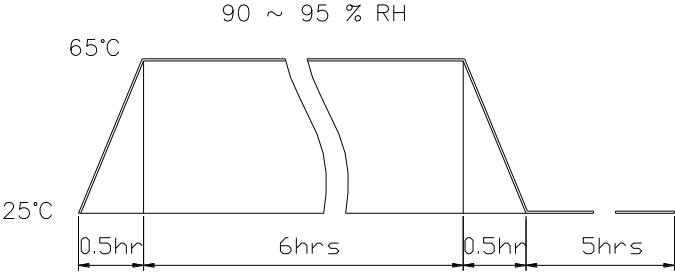
Test condition: 1W/0.5M,



THD



RELIABILITY TEST

1	Reliability Test Performance	After any following test, parts should conform to original performance within ± 3 dB tested with Rated Power, after 6 hours of recovery period.
2	High Temperature Test	96 hours at Maximum Rated Operating Temperature
3	Low Temperature Test	96 hours at Minimum Rated Operating Temperature
4	Humidity Test	96 hours at $+30^{\circ}\text{C}\pm 3^{\circ}\text{C}$, 92-95% RH
5	Temp./Humidity Cycle	<p>The part shall be subjected 5 cycles. One cycle shall be 6 hours and consist of</p> 
6	Vibration Test	<p>Frequency: 10~55~10Hz Oct/min Amplitude: 1.5mm Duration: 2 hours each of 3 perpendicular directions</p>
7	Drop Test	Drop the speaker contained in normal box onto the surface of 40mm thick board 10 times from the height of 75cm
8	Operation Life Test	Must perform normal with program Pink-Noise source at Rated Power for 96 Hours
9	Termination Strength	Apply 3.0N(0.306kg) to each terminal in horizontal direction for 30 seconds; Apply 2.0N(0.204kg) to each terminal in vertical direction for 30 seconds;

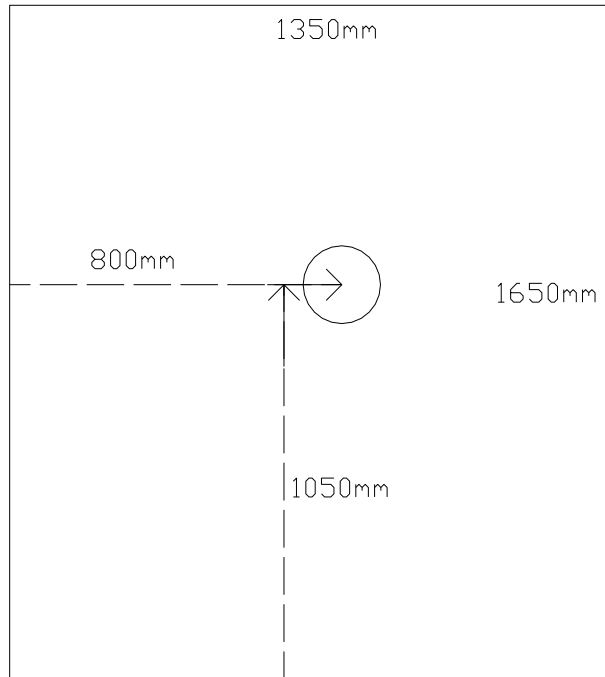


Fig. 1 Block Diagram for Measurement Method

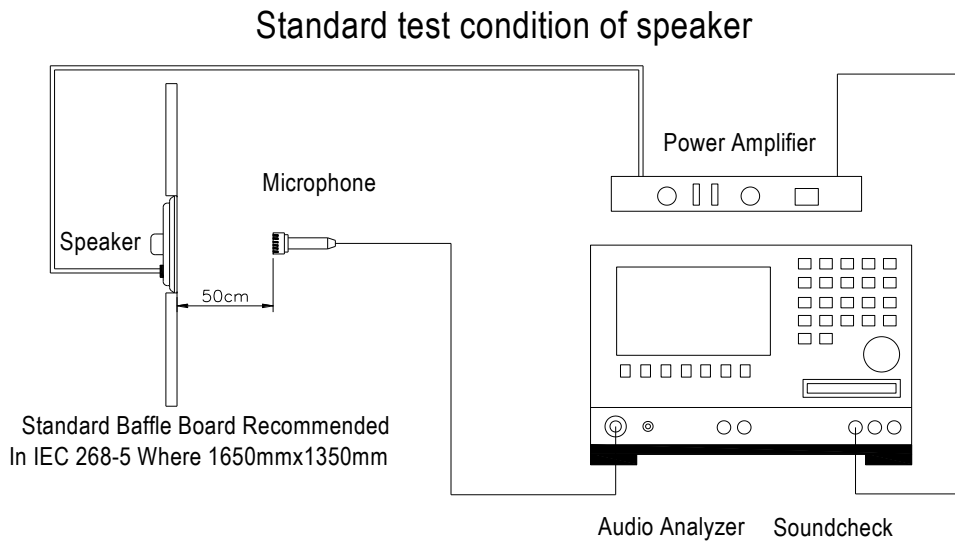
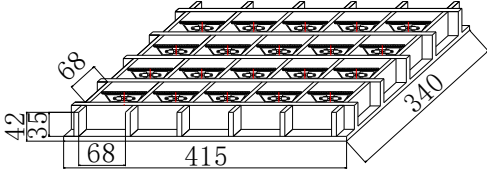


Fig. 2 Speaker Test Condition

PACKAGING

units: mm



- 1. Each clap board 20 pcs, each carton 3 clapboards, 60 pcs/carton
- N.W: 12 KG, G.W:14 KG
- 4. Corrugated paper: 415*340mm 1 PCS
- 5. Carton size: 430*355*155mm 1 PCS

