



Speaker

64 × 19.6 mm

CC64H196XF8

Revision

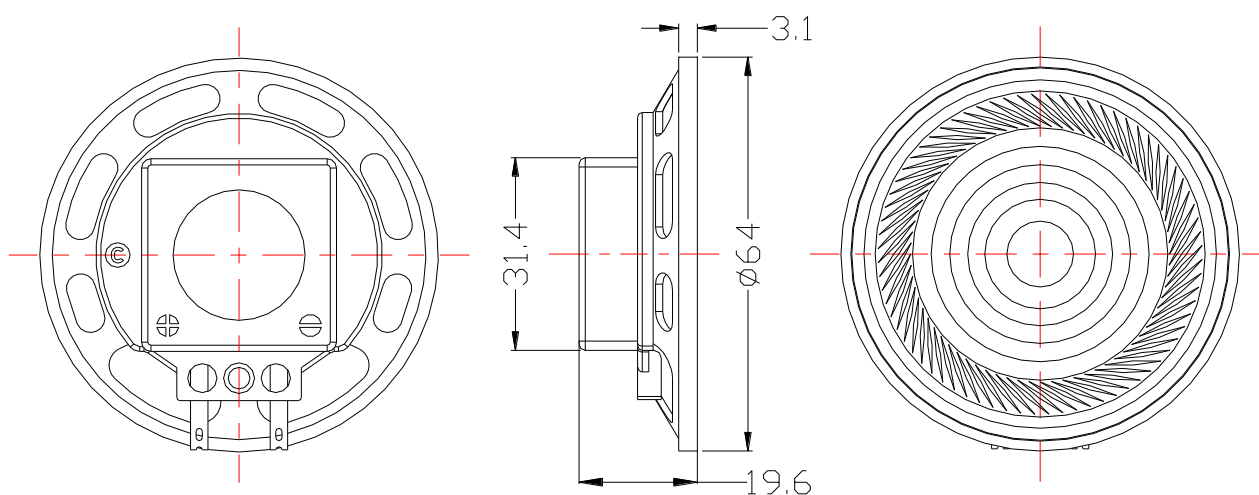
Date	Version	Status	Changes	Approver
2018/5/15	V0.1	Draft	Initial release	AX

Parameter	Conditions/Description	Values	Units
Rated Input Power		1.0	W
Max Input Power		2.0	W
Rated Impedance	at 2.0 kHz	8±15%	Ω
Sound Pressure Level (S.P.L.)	at 0.8K 1.0K 1.2K 1.5KHz in 1.0W/1.0M average (0dB SPL=20μPa)	84±3	dB
Resonant Frequency (Fo)	at 1.0 V	450±20%	Hz
Frequency Range	Output S.P.L. -10dB	Fo~20K	Hz
Distortion	at 1K Hz, input 1.0W,	< 10%	-
Magnet	Ferrite	□28.5*11.5*5	mm
Buzz, Rattle, etc.	must be normal at sine wave between Fo ~ 5K Hz	2.83	V
Polarity	cone will move forward with positive dc current to“+” terminal		
Weight			g
Operating Temperature		-20~+60	°C
Storage Temperature		-30~+70	°C
Waterproof Rating		N/A	

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: $\pm 0.5\text{mm}$ 

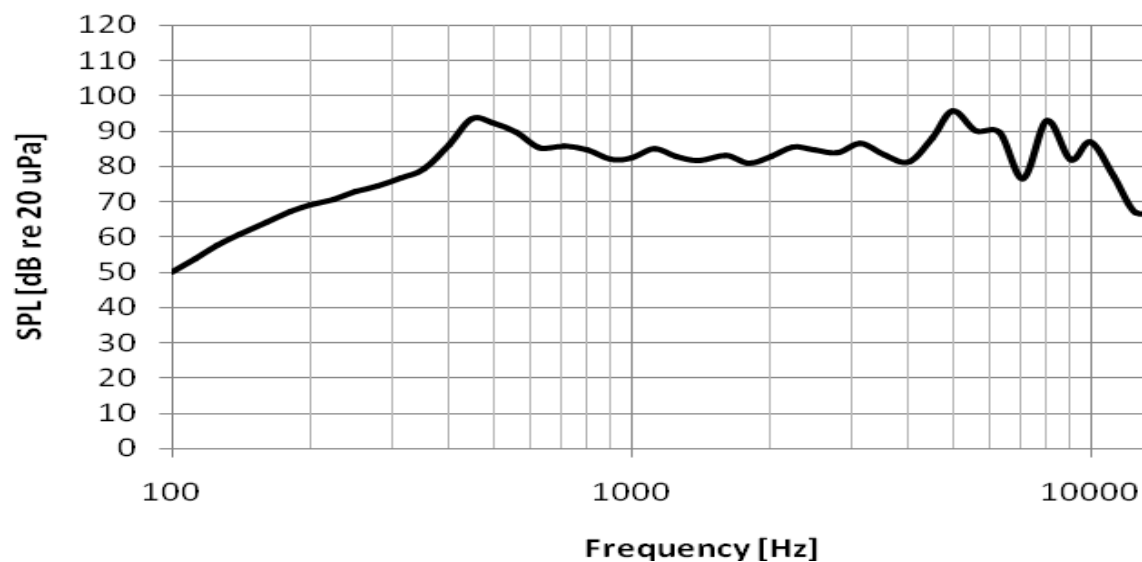
CONSTRUCTION DETAIL

PART NO.	PART NAME	Q'TY	MATERIAL	REMARK
1	Gasket	1	Rubber	
2	Diaphragm	1	PET	
3	VOICE COIL	1	PSV	
4	Plate	1	SPCC	
5	Magnet	1	Ferrite	
6	Yoke	1	SPCC	
7	Frame	1	ABS777	
8	CAP	1	PET	

RESPONSE CURVES

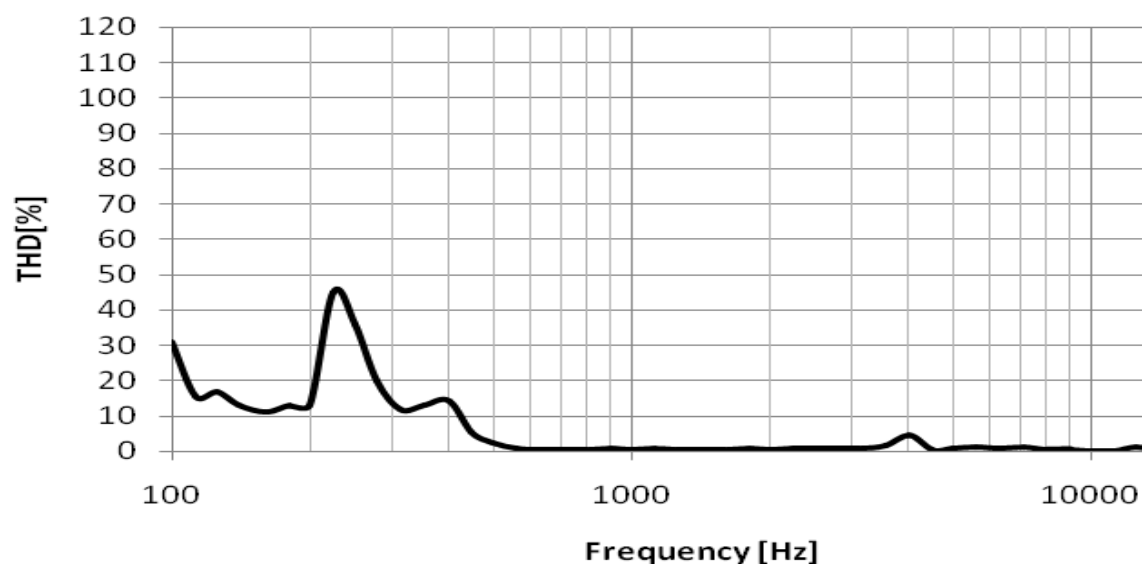
Frequency Response Curve

Test condition: 1.0W/1.0M,



Total Harmonic Distortion Curve

Test condition: 1.0W/1.0M,



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 $+70^{\circ}\text{C} \pm 3^{\circ}\text{C}$
3	Low Temperature Test	96 hours at $-30^{\circ}\text{C} \pm 3^{\circ}\text{C}$
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> <p style="text-align: center;"> $90 \sim 95 \% \text{ RH}$ 65°C 25°C 0.5hrs 6hrs 0.5hrs 5hrs </p>
6	Vibration Test	<p>Frequency: 10~55~10Hz Oct/min Amplitude: 1.5mm</p> <p>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 White-Noise source at Rated Power for 96 Hours
9	Termination Strength	<p>Apply 3.0N(0.306kg) to each terminal in horizontal direction for 30 seconds;</p> <p>Apply 2.0N(0.204kg) to each terminal in vertical direction for 30 seconds;</p>

MEASURING METHOD

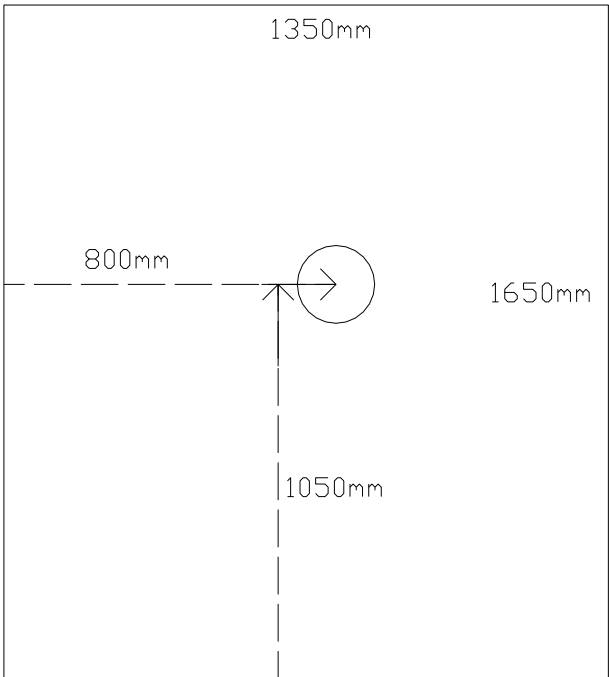
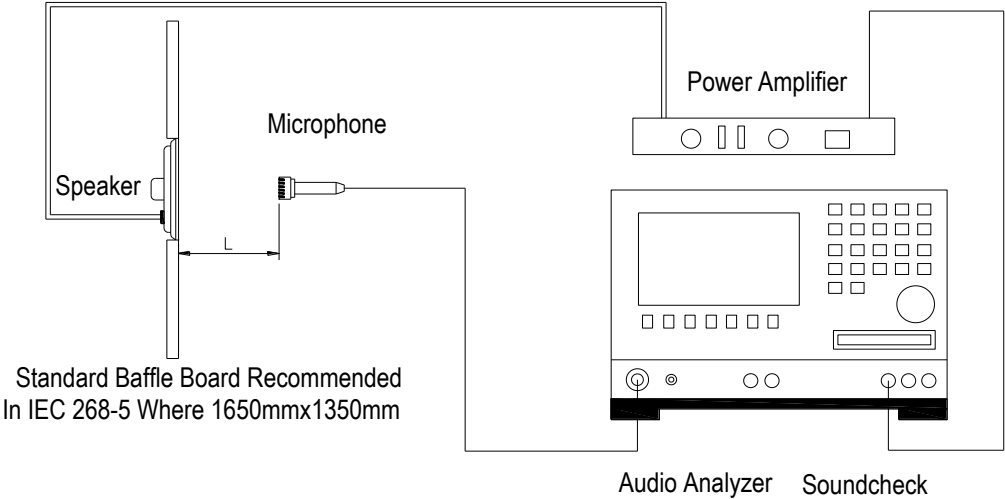


Fig. 1 Block Diagram for Measurement Method

Standard test condition of speaker



L=100cm

Fig. 2 Speaker Test Condition

PACKAGING

units: cm

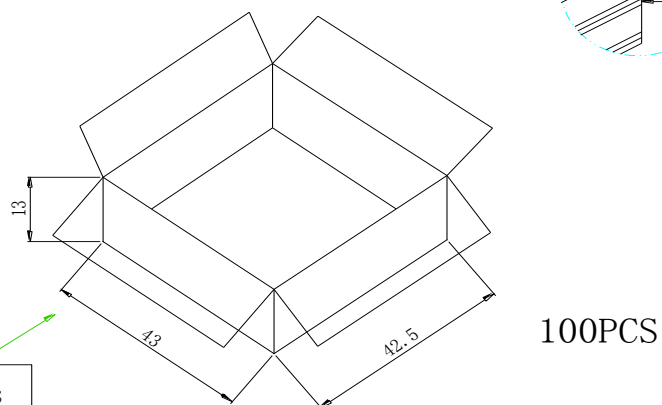
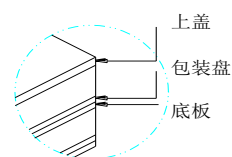
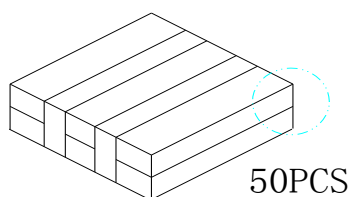
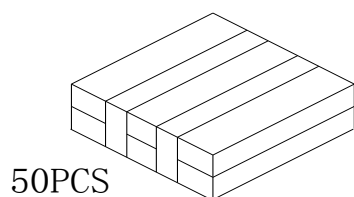
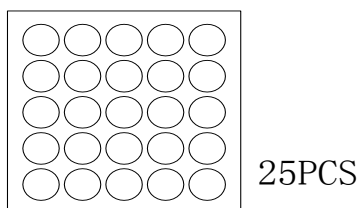
Remark:

25pcs per tray

2 trays for unit , 2units per carton

Total:100 pcs per box

Size:43*42.5*13cm



TYPE:
QTY: PCS
G. W: KGS
SIZE: 43*42*13 CM