PRODUCT SPECIFICATION

Product: SPEAKER

CXSOUND P/N: S-CXW50-7E-R08W1.0-G11

Customer:

Customer P/N:

CUSTOMER SIGNATURE OF APPROVAL	
DATE	

CXSOUND SIGNATURE			
Prepared by	Reviewed by	Approved by	Date

REVISION HISTORY

Rev.	Date	Description	Engineer	Approved By
01	2019/07/10	Initial Release	TIMO	George
02	2019/7/24	修改 F0 为 350	TIMO	George

PRODUCT IMAGE

SPECIFICATIONS

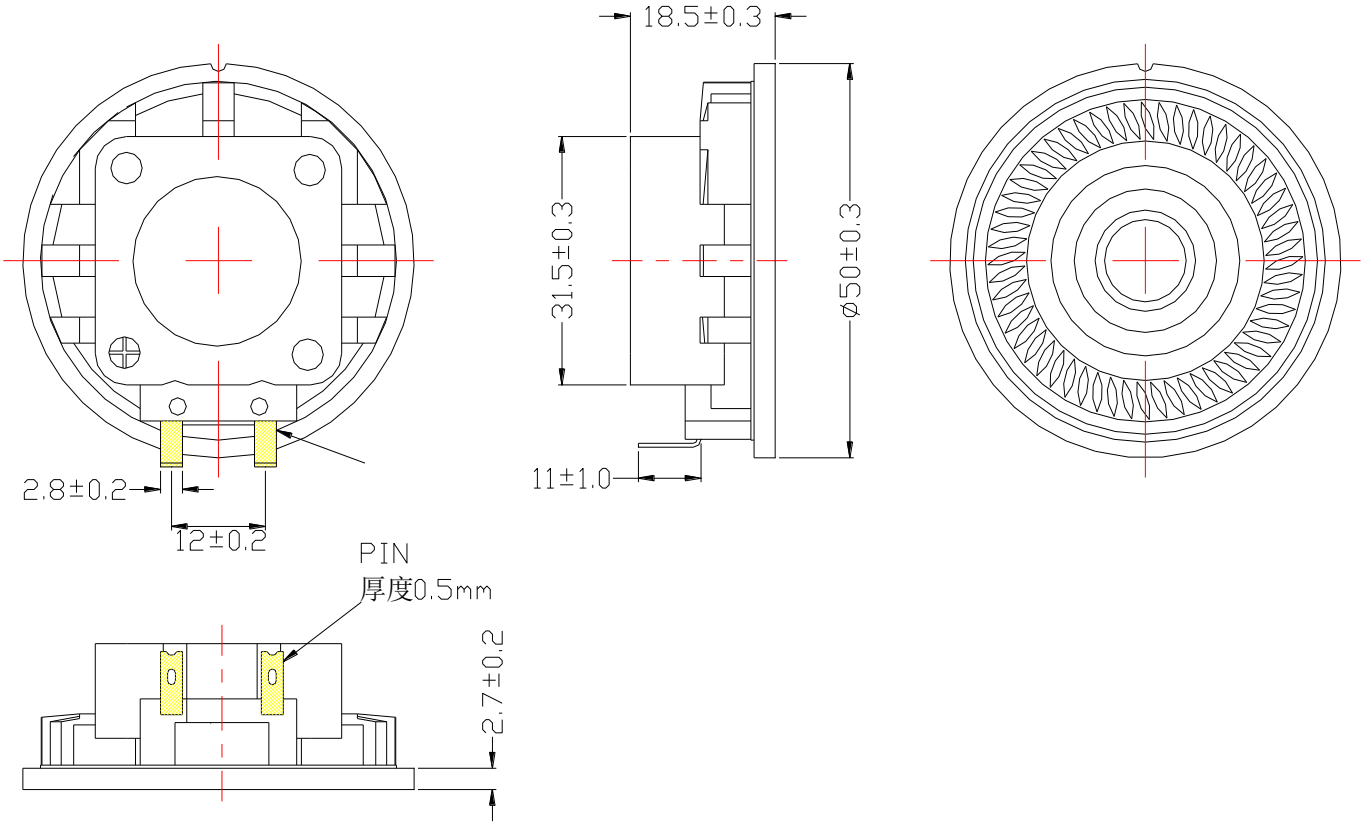
Parameter	Conditions/Description	Values	Units
Rated Input Power		1.0	W
Max Input Power		2.0	W
Rated Impedance	at 2.0 kHz	8±15%	Ω
Sound Pressure Level (S.P.L.)	at 0.3K 0.4K 0.5K 0.6KHz in 0.1W/0.1M average (0dB SPL=20μPa)	97±3	dB
Resonant Frequency (Fo)	at 1.0 V	350±20%	Hz
Frequency Range	Output S.P.L. -10dB	Fo~10K	Hz
Distortion	at 1K Hz, input 0.1W,	< 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		46	g
Operating Temperature		-40~+60	℃
Storage Temperature		-40~+60	℃
Waterproof		IP65	

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

MECHANICAL DRAWING

Units: mm

Tolerance: ±0.5mm



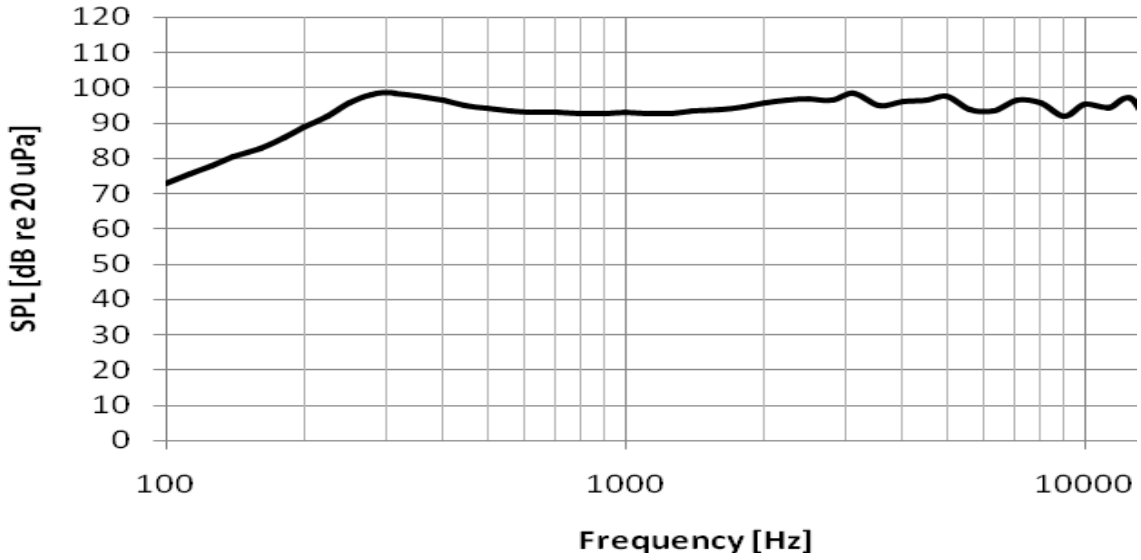
CONSTRUCTION DETAIL

NO.	PART NAME	Q'TY	MATERIAL	REMARK
1	Diaphragm	1	PET	
2	VOICE COIL	1	Paper Cu	
3	Plate	1	SPCC	
4	Magnet	1	Ferrite	
5	Yoke	1	SPCC	
6	Frame	1	ABS757	
7	CAP	1	PET	
8				

RESPONSE CURVES

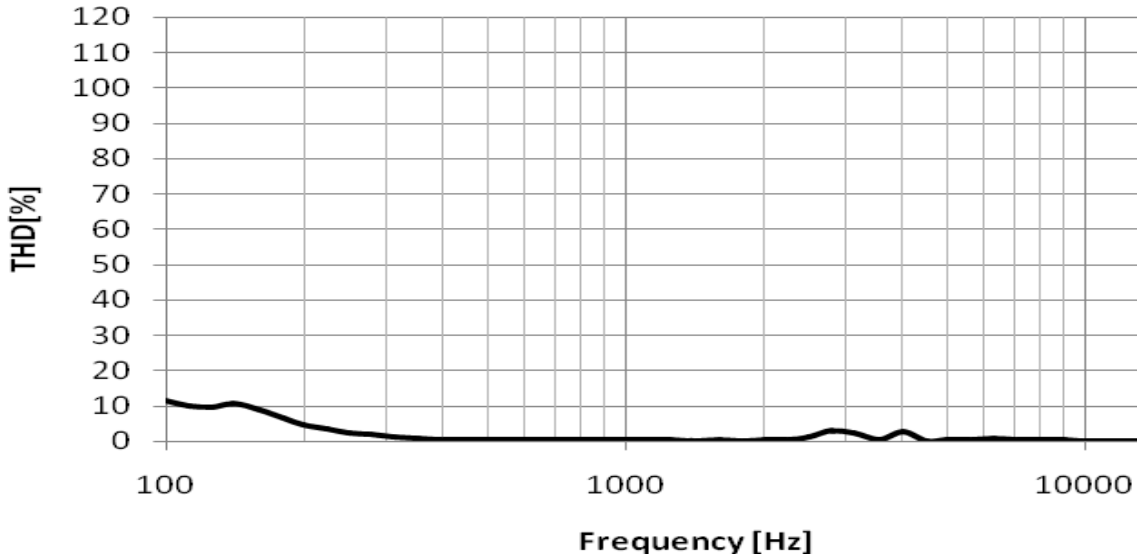
Frequency Response Curve

Test condition: 0.1W/0.1M,

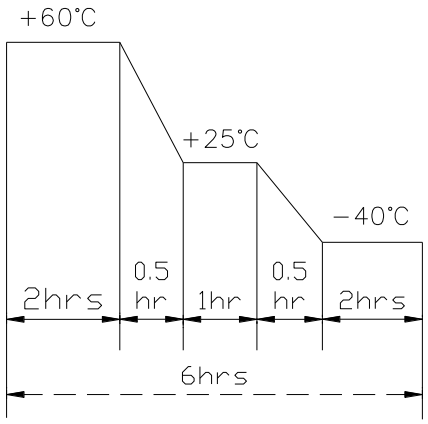


Total Harmonic Distortion Curve

Test condition: 0.1W/0.1M,



RELIABLITY 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 Operation and Storage	+ 60 ± 2 °C Humidity Random for 96 Hours. (GB/T 9397—200X)
3	Low Temperature Operation and Storage	− 40 ± 2 °C Humidity Random for 96 Hours. (GB/T 9397—200X)
4	Humidity Test	+40℃±2℃ Relative Humidity(RH)90~95% 48 Hours
5	Temp Cycle	The part shall be subjected 4cycles. One cycle shall be 6 hours and consist of (GB5170.18-87) 
6	Vibration Test	Frequency 30 ± 15 Hz, Amplitude 1.5 mm for 3 Hours. (GB11606.8-89)
7	Drop Test	75 CM free falling on Concrete floor, 10 times. (GB2423. 8-81)
8	Load test	Must perform normal with program White-Noise source at Rated Power for 96 Hours(GB/T 9397—200X)
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;

MEASURING METHOD

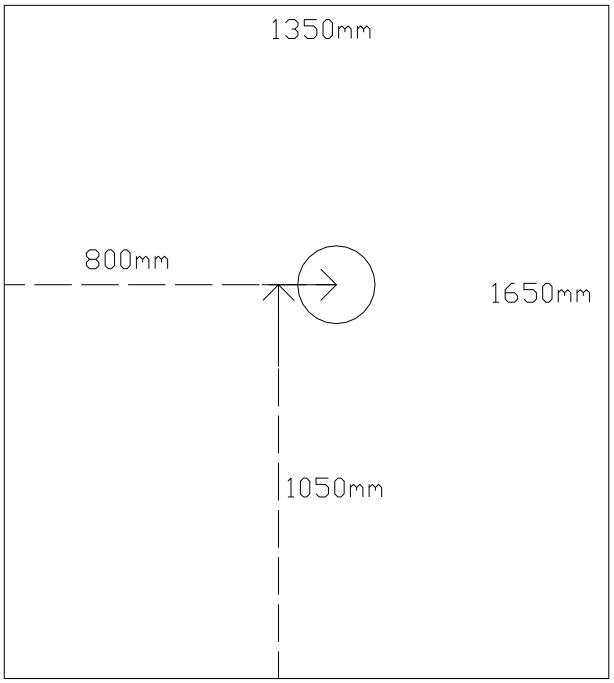
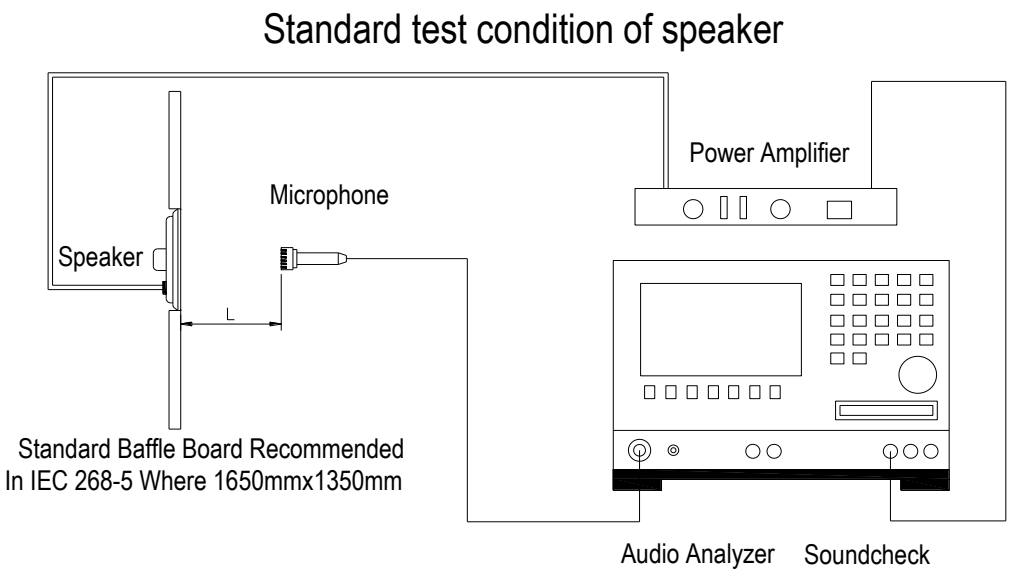


Fig. 1 Block Diagram for Measurement Method

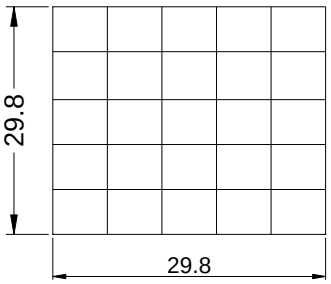


L=10cm

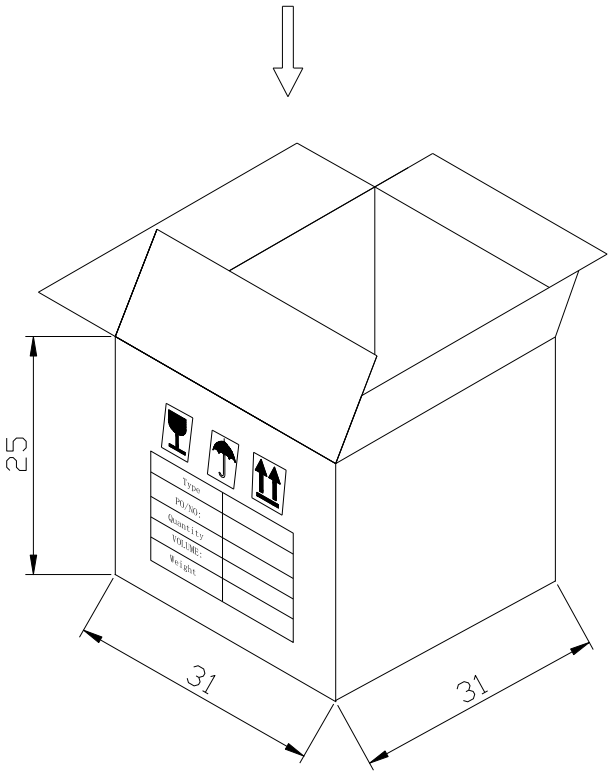
Fig. 2 Speaker Test Condition

PACKAGING

Storage conditions:
Speakers should be well packed.
The temperature should be as stable as possible and between -10° C and +40° C.
The relative humidity should be below 90%.
There should be no acid or other harmful gases in the surrounding air (GB/T 9397—200X)



25PCS



250PCS

units: cm
Remark:
25pcs per tray
10 units per box
Total:250 pcs per box
Size:31*31*25cm

Gross weight：13.5kg Net weight:11.5kg