

General Description

18mm x 18mm Speaker



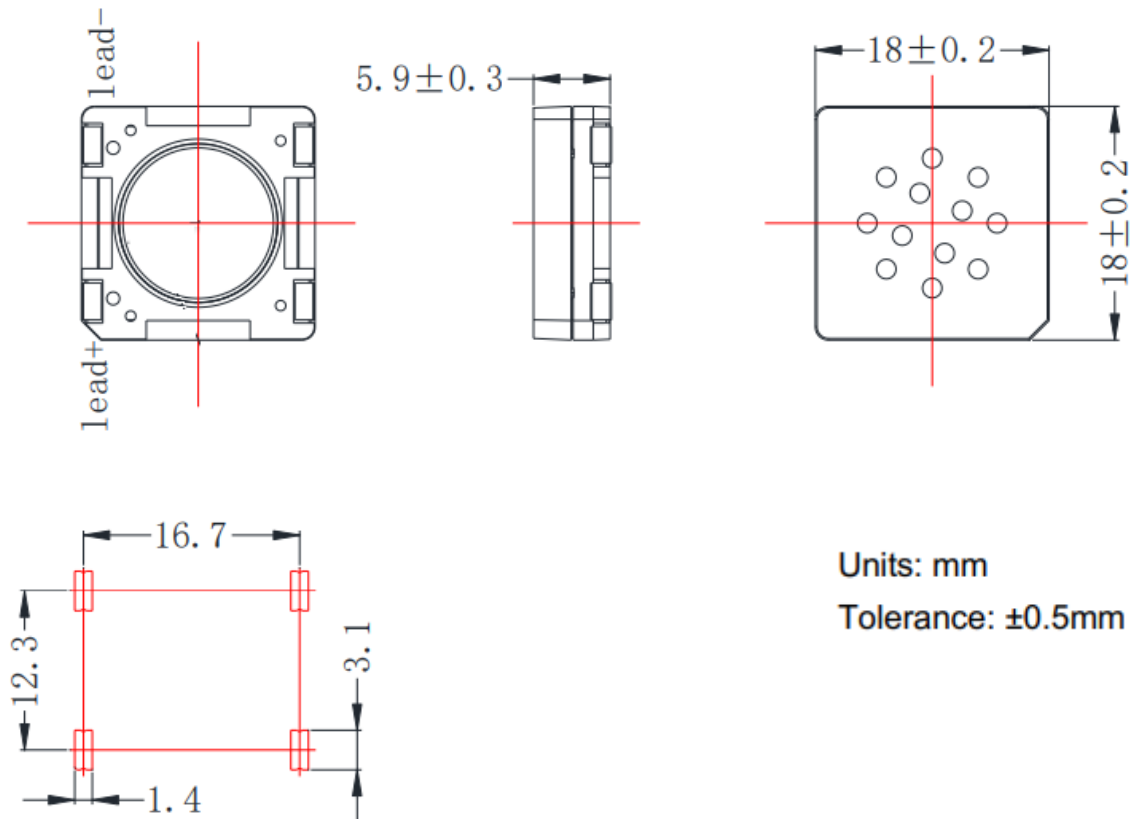
IP67



ELECTRICAL SPECIFICATIONS

Parameters		Value	Unit	
Resonant Frequency (Fo)	@ 2.0V	950 ±20%	Hz	
Frquency Range	@ Output S.P.L. -10dB	Fo ~ 20K	Hz	
Rated Input Power		1.0	W	
Input Power, max		1.5	W	
Distortion	@ 2K Hz, input 1.0W,	< 10%	-	
Dimension		18 x 18 ±0.2	mm	
Height		5.9 ±0.3	mm	
Sound Pressure Level S.P.L.	@ 1.0K Hz in 1.0W/0.1M average (0dB SPL=20µPa)	96±3	dB	
Impedance		4 ±15%	Ω	
Operating Temperature Range		-40 ~ +85	°C	
Storage Temperature Range		-40 ~ +85	°C	
Magnet	SMCO	9.4 x 1.6	mm	
Polarity		Cone will move forward with positive dc current to "+" terminal		
Reliability	Buzz & Rattle	@Must be normal at sine wave between Fo ~ 5kHz	1.4	V

Dimensions



Units: mm

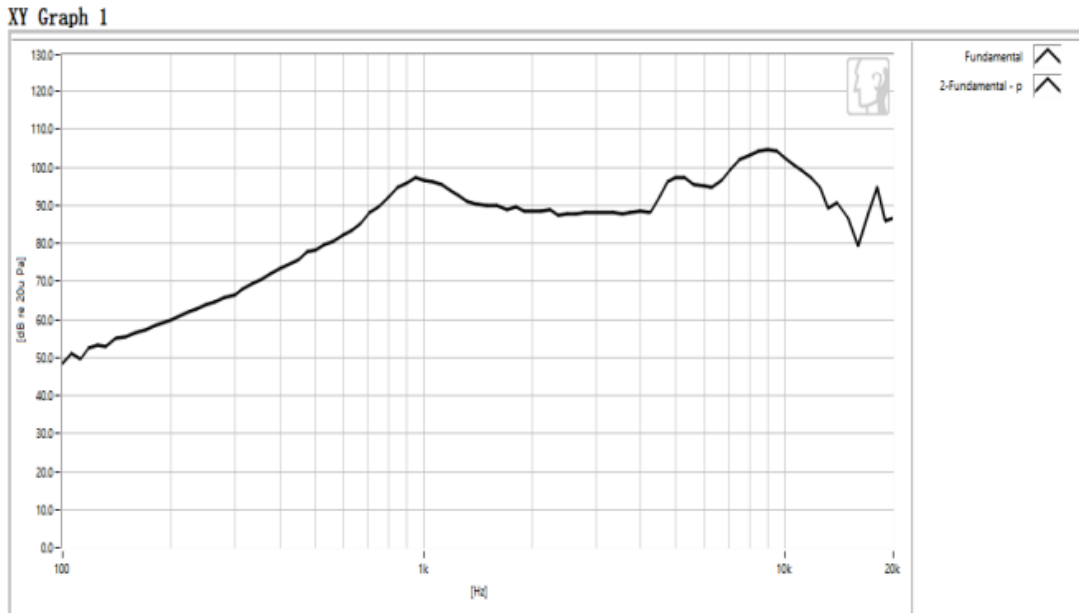
Tolerance: ± 0.5 mm

CONSTRUCTION DETAIL

NO.	PART NAME	Q'TY	MATERIAL
1	CAP	1	LCP
2	Diaphragm	1	PI
3	VOICE COIL	1	Cu
4	Plate	1	SPCC
5	Magnet	1	SMCO
6	PCB Terminal	1	Cu
7	Frame	1	LCP
8	LEADS	1	PLATE WITH SN

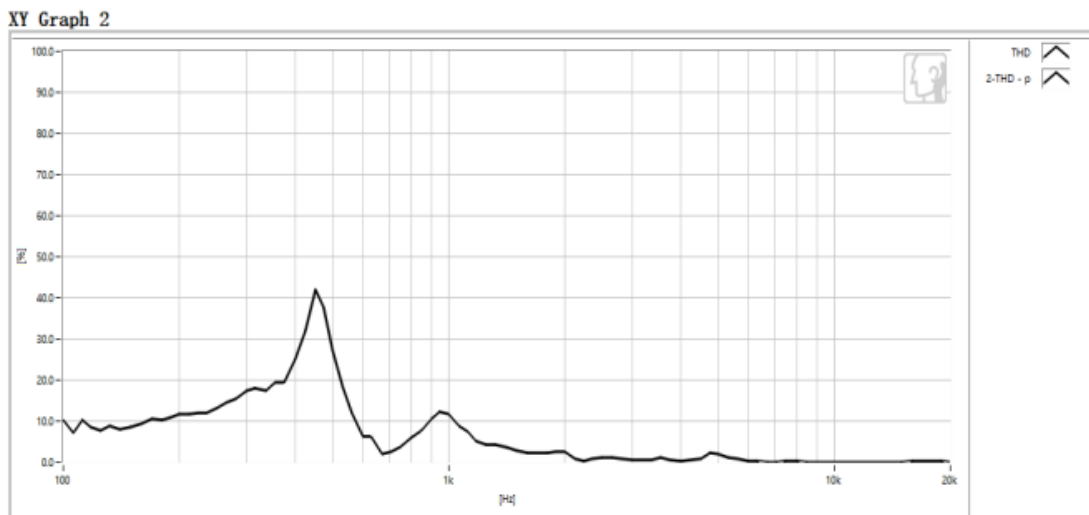
Frequency Characteristics

Test condition: 1.0W/0.1M,

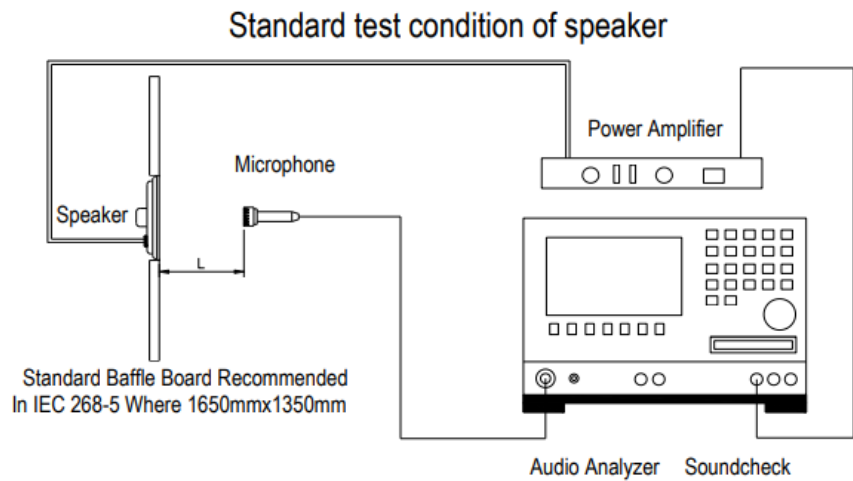
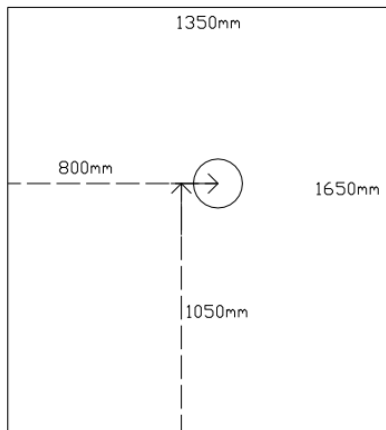


Total Harmonic Distortion Curve

Test condition: 0.1W/0.1M



Measuring Method



Block Diagram for Measurement Method

L=10cm

Speaker Test Condition

APPROVAL

DRAWN BY	AR, February 19 2024
APPROVED BY	CP, February 19, 2024
REVISION	A, Initial Release



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