

	Part name	Ferrite Magnetic Speaker(Plastic)	Date	2026-06-22
	Part number	S-5628-CB4R5W	Edition	V1
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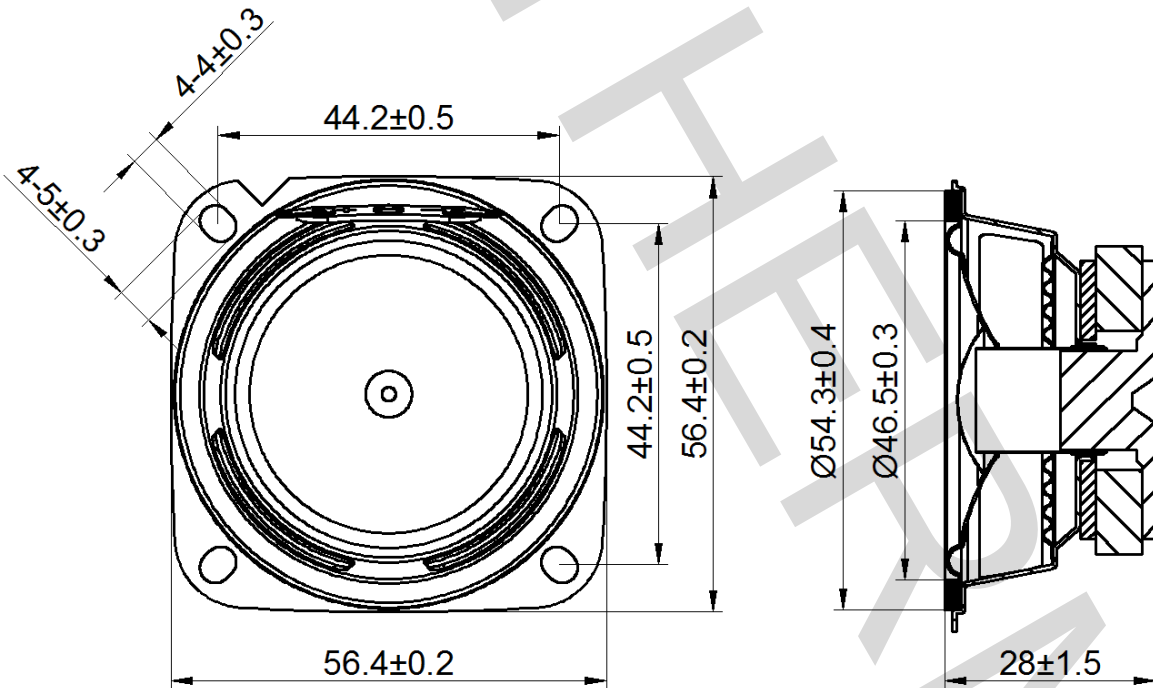
1	Model No.	S-5628-CB4R5W
2	Rated Power	5 W
3	Rated Impedance	$4 \pm 15\% \Omega$
4	Resonance Frequency	$200 \pm 20\% \text{Hz}$
5	Sound Output @ 1m 1W	$78 \pm 3\text{dB}$ at 180~8000Hz Avg.
6	Rated Freq. Range	F0~8000Hz
7	Buzzes & Rattles	Should not be audible at 3.2V sine wave between 100~20000Hz
8	Operating Temperature (°C)	-40~+85
9	Storage Temperature (°C)	-40~+85
10	Waterproof level	IPX7

STANDARD TEST CONDITIONS:

Temperature: 17~25°C; Relative Humidity: 45%~80%(RH); Air Pressure: 860~1060 hPa.

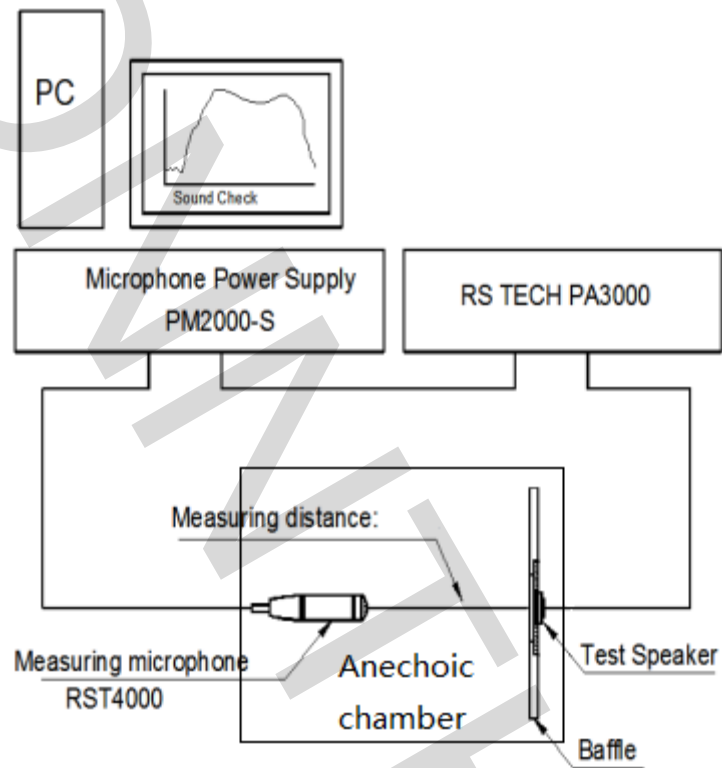
DIMENSIONS 尺寸 (UNIT: mm)

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

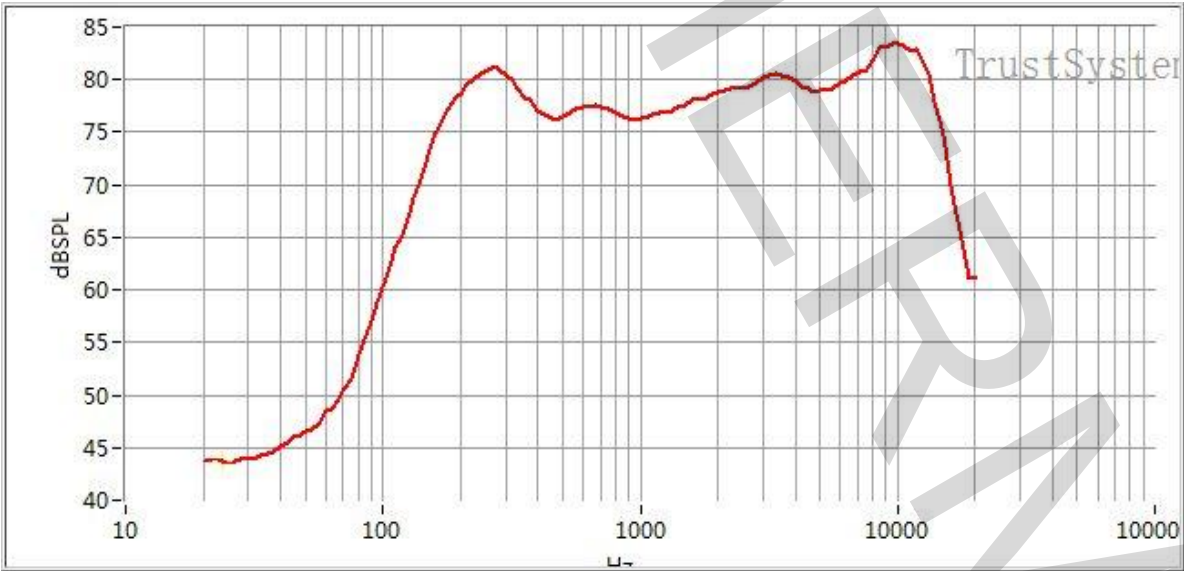


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CURVE TEST METHOD:

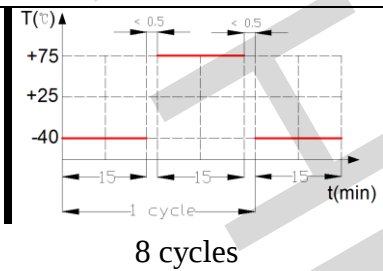


FREQUENCY RESPONSE: (1M,1W)



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RELIABILITY TEST:

No.	Item	Test condition	Evaluation standard
1	High temp. test	+85±2℃, 48Hrs	After being placed for 2 to 4hrs at room temp. ,the speaker shall meet specifications,except the SPL should be in ±5dB compared with initial one and F0 should be in ±20%Hz compared with initial one.
2	Low temp. test	-40±2℃, 24Hrs	
3	High temp.load test	+85±2℃,5W for 96Hrs	
4	Low temp.load test	-40±2℃,5W for 24Hrs	
5	Temp. cycle test	 8 cycles	
6	Endurance test	Rated power (5W), White noise for 500hrs at room temperature.	
7	Waterproof level test	Reference Standards: ISO 20653 2006, IPX7. Soak under water for 1 meter with a box, 30 minutes, and leave at room temperature for 2 hours after removal.	