

	Part name	Ferrite Magnetic Speaker(Plastic)	Date	2026-09-09
	Part number	S-18-8R0.5W-CZW01	Edition	V2.0
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1.TEST CONDITION

Unless otherwise specified,The standard of range atmospheric conditions for making measurementsand tests as follows

17 25 45% 85%RH 860HPA 1060HPA.

If there is no doubt about results,measurement shall be made with in the following limits.

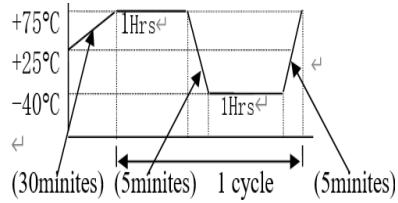
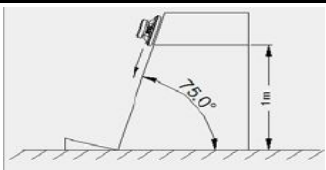
20 ±3 60% 70%RH 860HPA 1060HPA.

2. SPECIFICATION OF SPEAKER MODE

2.1	Rated IMPEDANCE	8Ω±15%	At 1KHz
2.2	RESONANCE FREQUENCY	1100±20%Hz	At 0.89V
2.3	Rated Power	0.5W	At 2.0V
2.4	MAX POWER	1.0W	At 2.82V
2.5	Outerput S.P.L	88±3dB at 0.1W/0.1M	At1.0.1.2.1.5.2.0KHz average
2.6	Frequency response curve	F0 10KHz	Deviation -10db from average S.P.L
2.7	Rub& Buzz	should not be audible buzz and rattle ()	Sine WAVE() at 2.0V/500~10KHz
2.8	Dostortion	≤ 5%THD	At 1kHz 0.1M/0.1W
2.9	Polarity	When a positive D.C current is applied to the voice coil terminal marked +,the diaphragm shall move forward.()	
2.1	Magnet Size	NdFeB	
2.11	Net Weight		

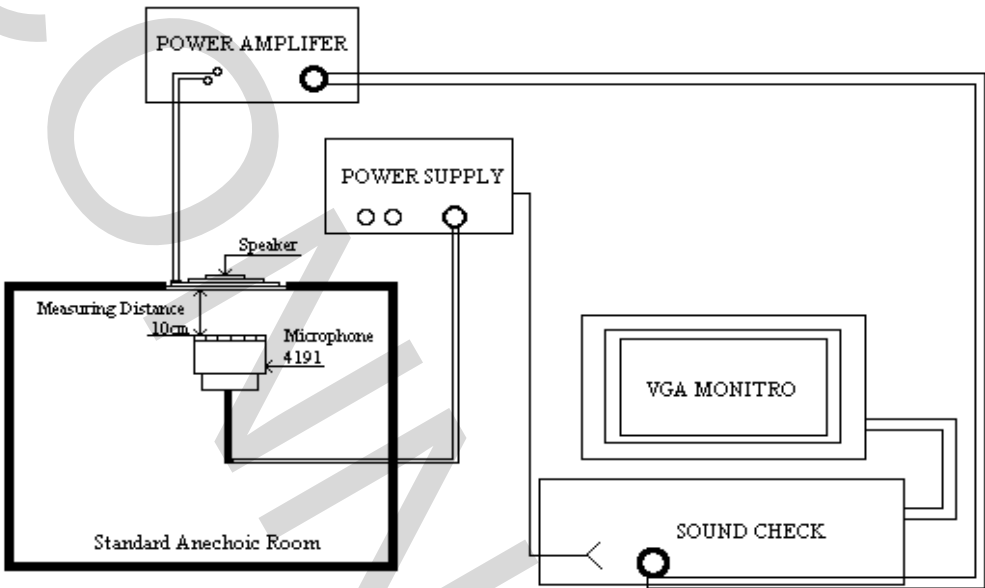
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3.ENVIRONMENTAL CHARACTERISTICS

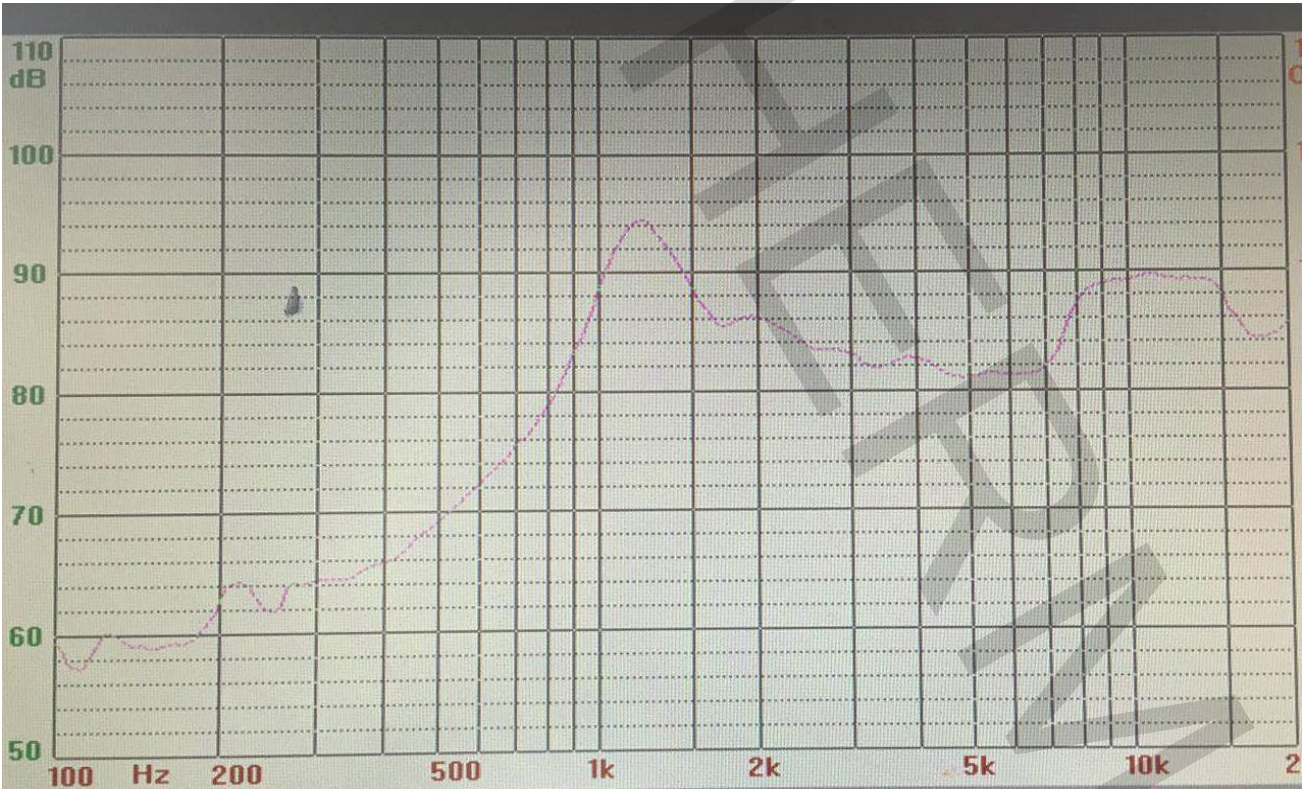
3.1	High temperature test	75±3 duration 96 hours ,then removal back to normal temperature for 2 hours +75±3 96 2
3.2	LOW temperature test	40±3 duration 96 hours ,then removal back to normal temperature for 2 hours -40±3 96 2
3.3	Humidity test	Temperature +40±3 relative humidity 90 95%, duration ,96 hours ,then removal back to normal temperature for 2 hours +40±3 90 95% 96 2
3.4	Load test	The products shall not be no sound/Buzz&Rattle/different volume/exceptional diversification of frequency response curve in testing and after testing process for a continuous working of 96 H at a rated 0.5W white noise 0.5W 96 , /
3.5	Temperature cycle test	Temperature: -40 to +75±3 Duration : 1 hours Cycl :2cycle -40 1 +75 ±3 1 2 
3.6	Drop test	The speaker shall be dorp 5 times as shown in the figure and Cacophony must be normal 5 
3.7	In Sulation resistance	A VOLTAGE OF 100V.d.c shall be applited for 1 min between a terminal and a frame ,after which measurement shall be made ,2MΩ OR MORE D C 100V 1 2MΩ
3.8	Vibration test ibration	10-55Hz/min Amplitude 1.5mm Duration 2hours each axes
3.9	Operating temperature	40 TO+75
3.10	torage temperature	40 TO+80

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4.MEASURING CIRCUIT SPEAKER



5.FREQUENCY CURVE

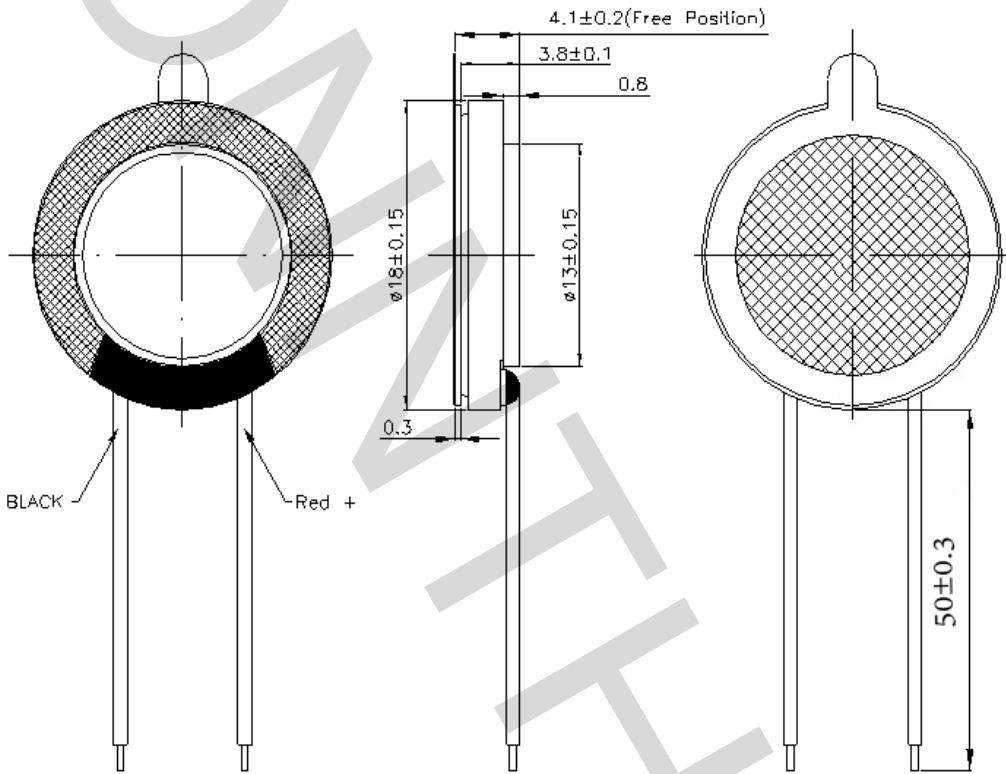


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6.DIMENSIONS

Unless otherwise specified, tolerance: ±0.3 (unit: mm)

V2.0



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7.PACKAGING PARAMETERS

100 100pcs of speaker in each tray

20 20 trays in one carton

:2000 / 1 Total:2000 pcs / 1 carton

