Specification 16W Built-In Speakers

(Version: 1.0)

TYPE	:	CBBOX
MODEL	:	CB0N8-20210520-1
SPECIFICATION	:	CB27190BOX 8Ω 16W
CUSTOMER	:	
CUSTOMER'S PART No.:	:	

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1 TEST CONDITION

Unless otherwise specified, The standard range of atmospheric conditions for marking measurementsand tests are as follows： 15℃～35℃， 25%～85%RH， 860hPa ～1060hPa .

If there is no doubt about the results, measurement shall be made with in the following limits.： 20℃±3℃， 60%～70%RH， 860 hPa～1060hPa .

2． SPECIFICATION OF SPEAKER MODE

2.1	Rated Impedance	8Ω±15%	At 1000Hz 1.0V
2.2	DC Resistance	7.4Ω±7%	
2.2	ResonanceFrequency(BOX)	300±20% Hz	At 1.0 V at 1.0V fo meter
2.3	Rated Power	16W	At 11.3V
2.4	Max Power	18W	At 12V
2.5	Output S.P.L.	82 ± 3dB SOUNDCHECKAt 2.83V (1W/1m)	800 Hz,1KHz 1.2K Hz ,1.5KHz average
2.6	Frequency response curve	300 ～ 20 kHz±20%	Deviation -10dB from average S.P.L
2.7	Rub & Buzz	Should not be audible buzz and rattle	Sine WAVE Between 11.3V / 300Hz～ 5 kHz
2.8	Distortion	≤ 5% THD	At 1kHz 16W
2.9	Polarity	When a positive D.C current is applied to the voice coil terminal marked +, The diaphragm shall move forward.	
2.10	Magnet	NDFeB	
2.11	Net Weight	104±10%g (3.64oz) 1g=0.035oz	

DESIGNED		CHECKED		APPROVED	

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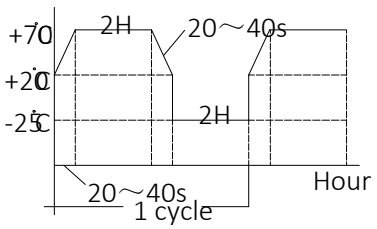
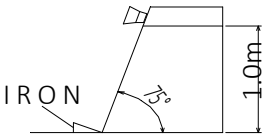
3．ENVIRONMENTAL CHARACTERISTICS

Results of after test: 1）Sensitivity difference shall be within 3dB

2）Should not be audible buzz and rattle

3.1	High temperature test	+65 ± 2 ℃ duration 96 hours ,then removal back to normal temperature for 2 hours
3.2	Low temperature test	-25 ± 3 ℃ duration 96 hours ,then removal back to normal temperature for 2 hours
3.3	Humidity test	Temperature +40 ± 2 ℃ ,relative humidity 90% ～ 95%,duration 96hours,then removal back to normal temperature for 2hours.
3.4	Load test	Subject samples to White Noise for 96 hours at 10W input power must be normal.
3.5	Temperture cycle test	Temperature : -25±3℃ to +65±2℃ Duration 2 hours 
3.6	Drop test	The speaker shall be dropped 5 times as shown in the figure and Cacophony must be normal 
3.7	In Sulation resistance	A VOLTAGEOF 100V.d.c shall be applied for 1 min between a terminal and a frame ,after which measurement shall be made.， 2 MΩ OR MORE
3.8	Vibration test ibration	X，Y，Z axis；10~55~10Hz/1 minute：Amplitude:1.5mm，Endurance：2 hours each plan.
3.9	Operating temperature	-25℃ TO +65℃
3.10	Storage temperature	-25℃ TO +65℃

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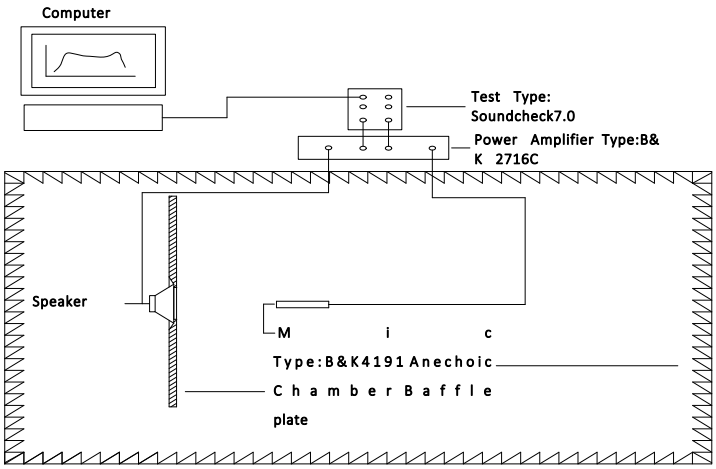
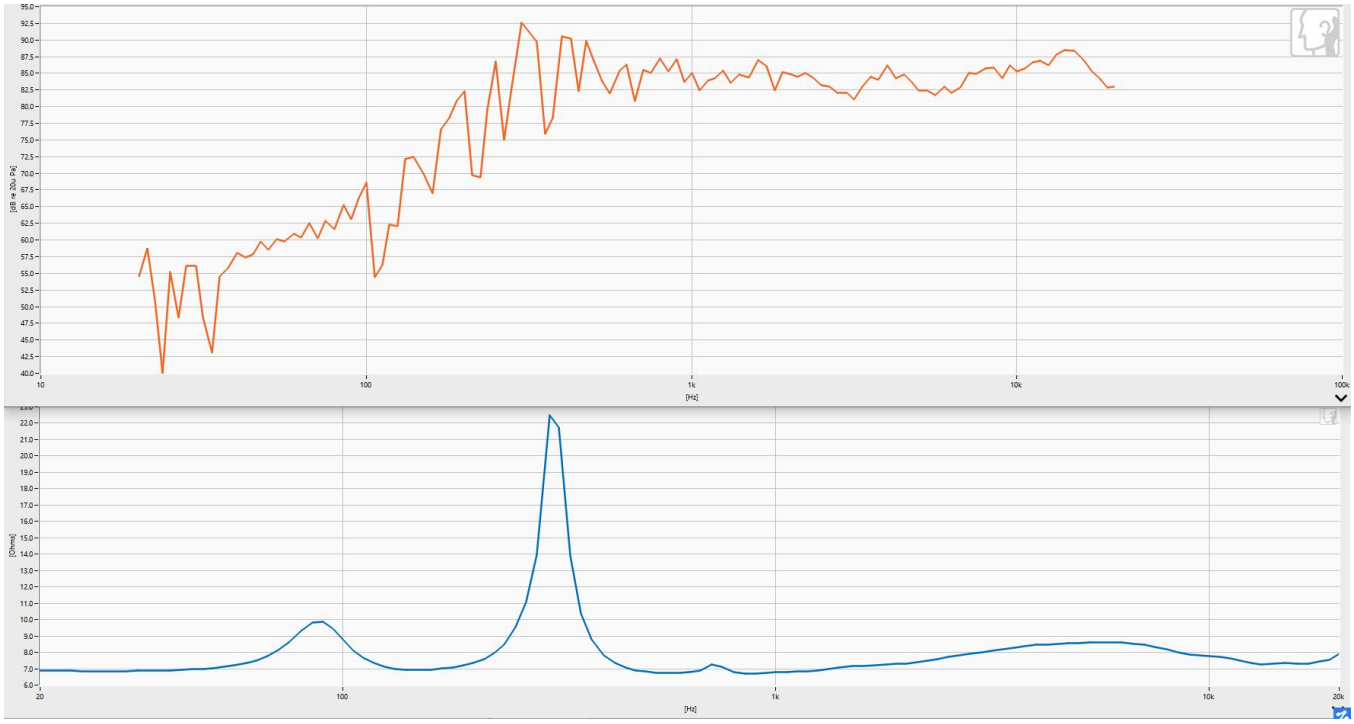
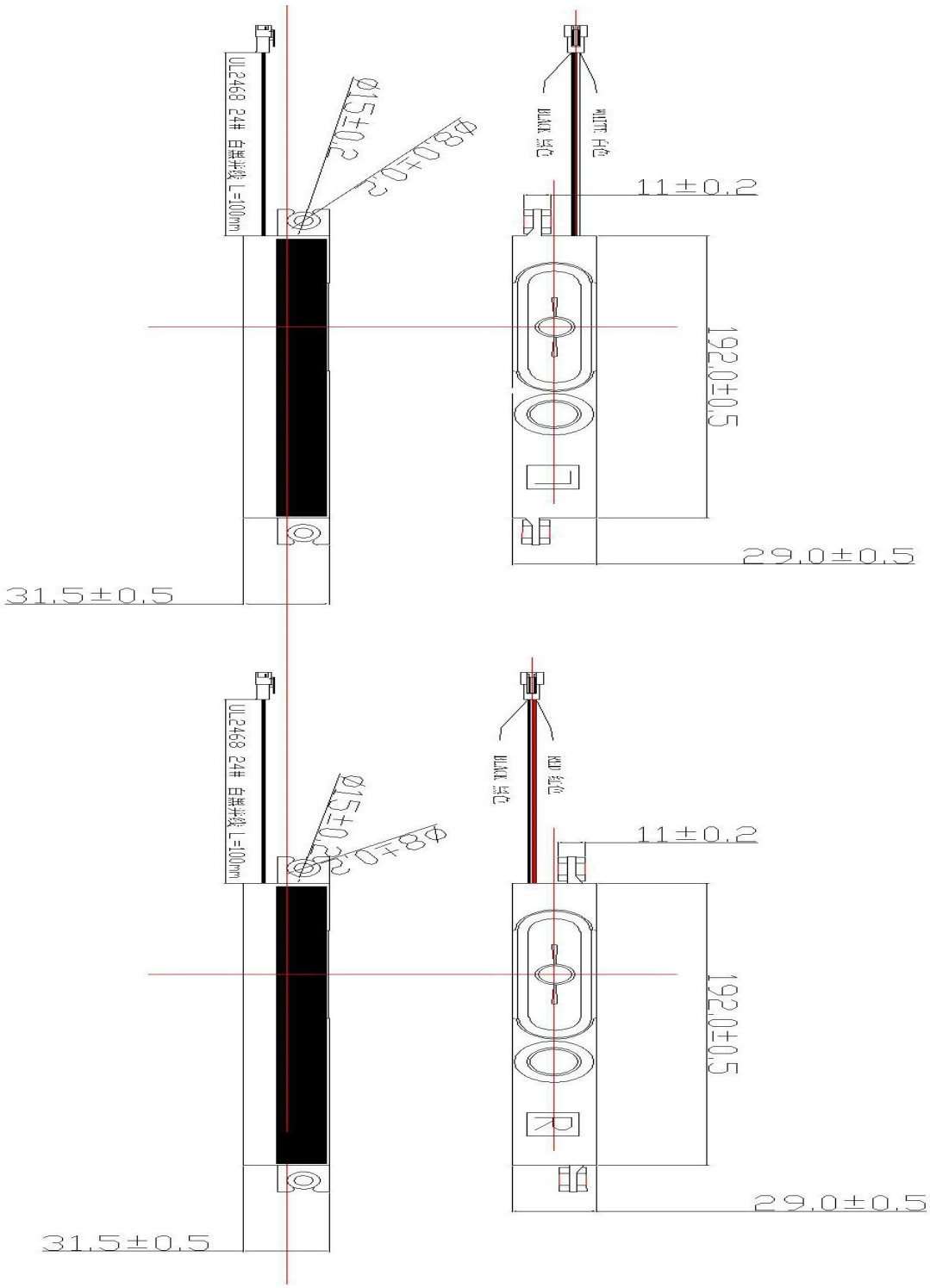
■ MEASURING CIRCUIT (SPEAKER)



■ FREQUENCY CURVE(SPEAKER)




UL2468 24# 白黑排线 L=100mm
Ø1.5±0.2
Ø3.0±0.2
BLACK 黑色
WHITE 白色
11±0.2
19.0±0.5
29.0±0.5
31.5±0.5
UL2468 24# 白黑排线 L=100mm
Ø1.5±0.2
Ø3.0±0.2
BLACK 黑色
RED 红色
11±0.2
19.0±0.5
29.0±0.5
31.5±0.5