Loudspeaker

Ø50x24.8 mm

With cables & connector

SOC50C24D8G-5

Revision

Date	Version	Status	Changes	Approver
2015/01/19	V0.1	Draft	First release	MB
2015/02/19	V0.2	Draft	Update drawing and tolerances	LC
2018/05/03	V1.0	Released	Final version + new template	LC

OUR PN	SOC50C24D8G-5			
项目 ITEMS	规格 TEST SPECIFICATIONS			测试条件 TEST CONDITIONS
1、 尺寸 DIMENSIONS	Φ50 ×24.8mm			参照外形装配图 PER SPEAKER CONSTRUCTION DWG.
2、 主要材料 MAIN MATERIAL	盆架 BASKET	● METAL ○ PLASTIC ○ OTHER:		
	磁钢 MAGNET	Φ39× Φ19×6 ㎜		● FERRITE ○ Nd-Fe-B ○ Al-Ni-Co ○ OTHER:
	纸盆 CONE	○ 全纸盆 PAPER ○ MYLAR ○ OTHER		
		● 复合盆 COMPOUND	折环 SORROUND	□ RUBBER □ FOAM □ CLOTH ■ PU □ OTHER:
			锥体 CONE BODY	■ PAPER □ MYLAR □ PP □ OTHER:
3、 总重量 TOTAL WEIGHT	78.5±5g			
4、 功率 POWER	额定功率 NORMAL POWER ： 2 W 最大功率 MAX POWER ： 4 W			
5、 阻抗 NORMAL IMPEDANCE	8Ω ± 15%			AT 1.0 KH_Z / 1.0V
6、 纯音检测 SINA SIGNAL OPERATION	不允许有任何杂音 THERE SHALL NOT BE EXTRANEOUS NOISE			4.0 V/RMS FROM FO TO 20KHz
7、 共振频率 RESONANT REQUENCY	180± 20% H_Z			AT 1.0 V
8、 特性灵敏度 S.P.L.	88 dB ± 3 dB			AT 1.0 W / 0.5 M (0.4;0.5; 0.6; 0.8 KH_Z AVE)
9、 频响范围 FREQUENCY RANGE	F_0 ～ 20 KHz			AT 1.0 W / 1.0 M
10、总品质因素 Qts	------			
11、 失真 THD	MAX:5 %			AT 2.0W / 0.5 M/ 1.0KH_Z
12、 极性 POLARITY	纸盆向正面移动 THE CONE SHALL MOVE UPWARD			正电流接于“+”上 WHEN APPLIE POSITIVE POTENTIAL TO THE (“+”)
13、 存储与运输 TRANSPORTATION AND STORAGE	GUARANTIED TEMPERATURE RANGE: Tmax= +70℃，Tmin= -25℃			
NOTE： Above measuring condition under temperature: 15~35℃,R.H. 25 ~75%.				
ENDURANCE AND MECHANICAL TEST				
14、 连续负荷测试 LOAD TEST	WHITE NOISE 2 W APPLIED FOR 96 H			
15、高温测试 HIGH TEMPERATURE	+70 ± 3 °C HUMIDITY RANDOM FOR 96 HOURS.			
16、低温测试 LOW TEMPERATURE	- 25 ± 3 °C HUMIDITY RANDOM FOR 96 HOURS.			
17、潮湿测试 HUMIDITY	+ 40 ± 3 °C RELATIVE HUMIDITY (RH) 90 ~ 95 % FOR 96 HOURS.			
NOTE： After test, leave speakers at room temperature for 1 hour, and speakers meet above item 5,6,7,8.				
18、跌落测试 DROP TEST	SPEAKERS PROPERLY PACKAGED IN THEIR SHIPPING CARTON ARE DROPPED ON EACH SIDE OF THE CARTON EXCEPT THE TOP FROM A HEIGHT OF 80CM (CARTON GW≤10kG) OR 60CM (10kG<CARTON GW≤25kG)			
NOTE： After test, there shall be no buzz/rattle and the speakers shall not exhibit any physical damage.				
19、环境有害物质控制 ENVIROMENT HARMFUL MATERIAL CONTROL	RoHS COMPLIANT			

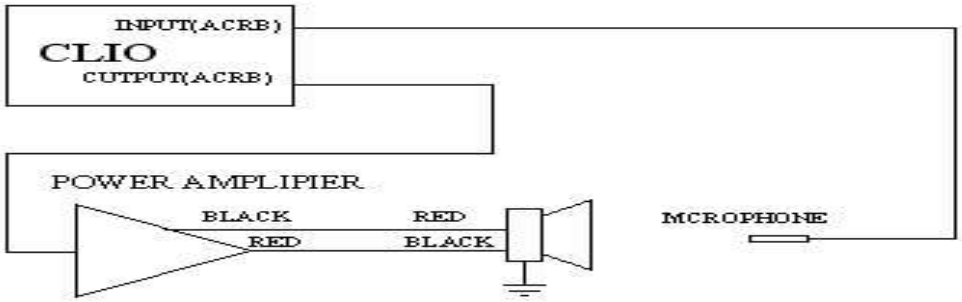
Test method and User precaution

1. Characteristics measurement environment condition

1.1 Except other specified, measuring are under temperature 15~35℃, R.H. 25 ~75%, air pressure 86~106kPa.

1.2 Judgement condition temperature 20 ±2℃, R.H. 63~67%, air pressure 86~106kPa.

2. Output Sound Pressure Level (S.P.L.) and distortion testing setup



Speaker to mounted on a standard IEC268-5 baffle im an anechoic chamber

2. Endurance & Mechanical test:

3.1 Load test:

Speaker should not fail after applying 20 ~ 20K Hz white noise rated power input (RMS) for 96 hours, then leave the speaker at room temperature for 1 hour, speaker shall meet item 5,6,7,8.

3.2 High Temperature:

After exposure the speaker in the high temperature chamber on condition described as item 15 for 96 hours, then leave the speaker at room temperature for 1 hour, the speaker shall meet item 5,6,7,8.

3.3 Low Temperature:

After exposure the speaker in the low temperature chamber on condition described as item 16 for 96 hours, then leave the speaker at room temperature for 1 hour, the speaker shall meet item 5,6,7,8.

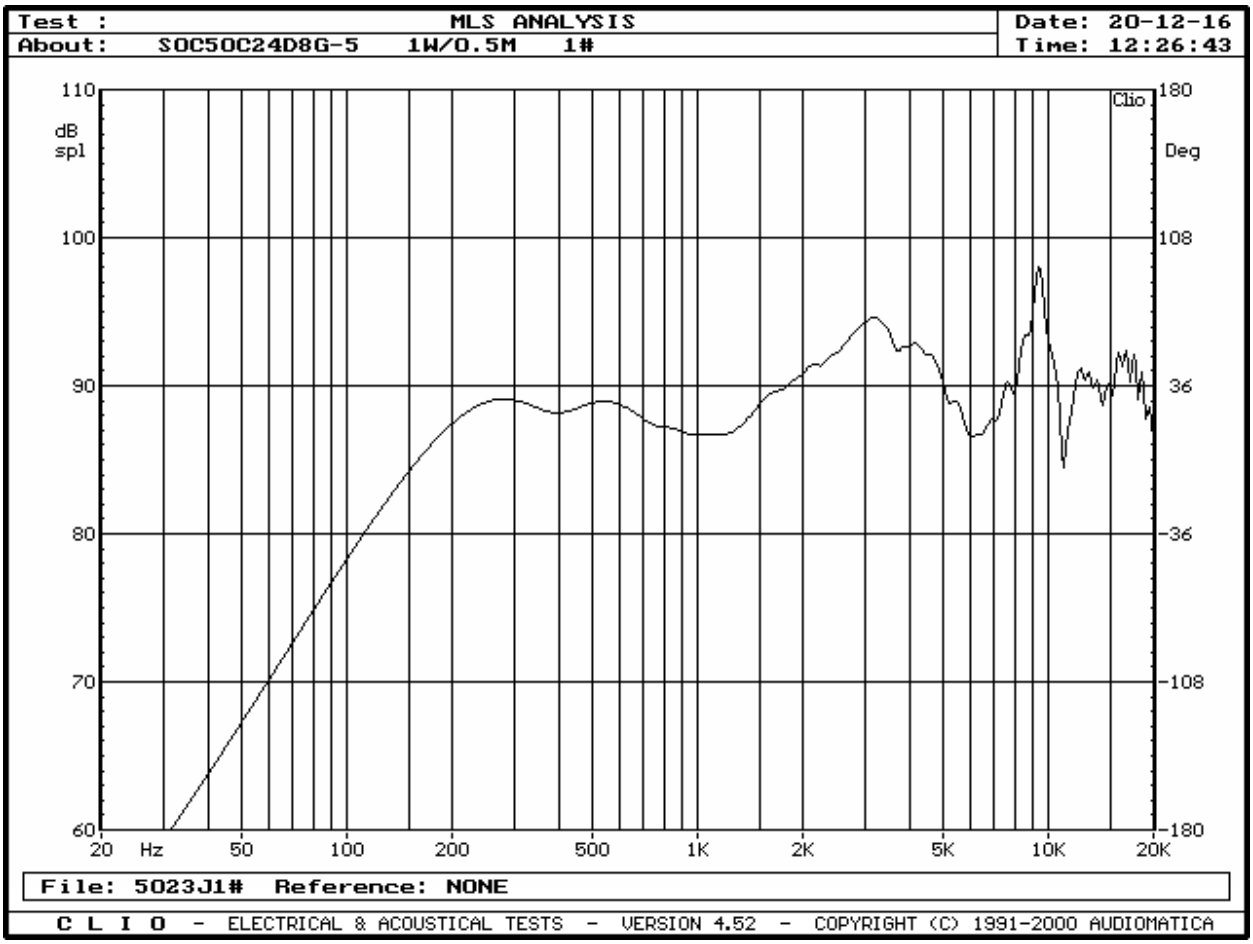
3.4 Humidity:

After exposure the speaker in the chamber on condition described as item 17, for 96 hours, then leave the speaker at room temperature for 1 hours, the speaker shall meet item 5,6,7,8.

3.5 Drop test:

Speakers properly packaged in their shipping carton are dropped on each side of the carton except the top from a height of 80cm (carton GW≤10kg) or 60cm (10kg<carton GW≤25kg), after test, there shall be no buzz/rattle and the speakers shall not exhibit any physical damage.

TYPICAL FREQUENCY RESPONSE CURVES



DRAWING