

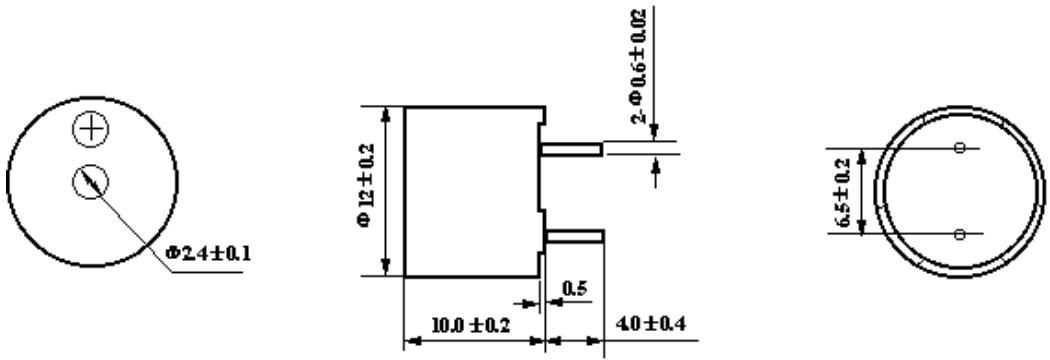
Electro-magnetic Buzzer

DBX-06

1 . Electrical Characteristics

Type 型号	DBX-06	
Rated Voltage 额定电压	DC (V)	5
Operating Voltage 工作电压	DC (V)	4 - 7
Rated Current 最大电流	(mA)	Max50
Coil Resistance	(Ω)	45±5
Sound Pressure Level 输出音压 (dB)	Min85/10cm	
Resonant Frequency 谐振频率	(Hz)	2400
Operating Temperature 工作温度 (°C)	-20°C ~ +70°C	
Material 材质	PPO	

2. Dimension:Unit (mm)



样品测试报告 Sample Test Report

DBX-06

样品名称 Sample Description: Electro-magnetic Buzzer 蜂鸣器

客户 Customer:

样品数量 Sample Qty: 10pcs

测试数量 Test Qty: 10pcs

技术指标 Specification: S.P.L \geq 85dB at 2400Hz at 10cm/5V Sine Wave

Operating Voltage DC(V)=4~7

Rated Current=50mA max

Coil Resistance=45 \pm 5 Ω

测试数据 Test Date:

NO.	S.P.L [dB]	Rated Current [mA]	Coil Resistance [Ω]	A&D	NO.	S.P.L [dB]	Rated Current [mA]	Coil Resistance [Ω]	A&D
1.	89	43.8	42.6	OK	11.				
2.	89	44.1	44.5	OK	12.				
3.	88	43.5	42.9	OK	13.				
4.	88	44.5	42.7	OK	14.				
5.	89	43.7	42.3	OK	15.				
6.	89	43.2	43.4	OK	16.				
7.	88	44.1	43.3	OK	17.				
8.	89	44.3	42.6	OK	18.				
9.	90	43.7	43.3	OK	19.				
10.	90	43.4	42.0	OK	20.				

测试结果 Test Result:

合格 Pass[☒]

不合格 Fail[☐]

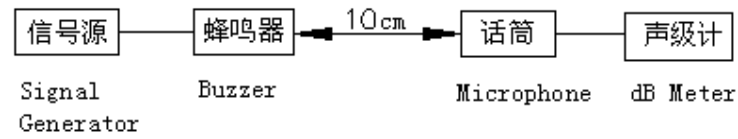
测试人员 Inspector:

确认 Confirmed:

测试日期 Test Date: 2010/12/5

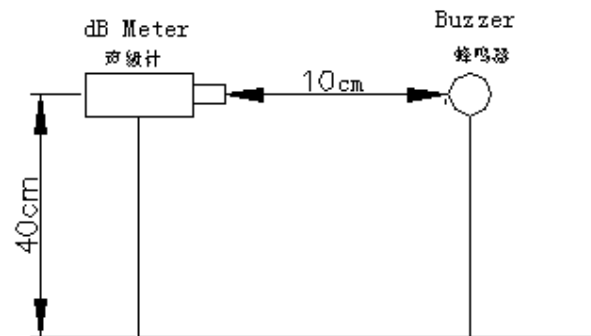
1. 产品测试仪连接:

Connection Diagram Of Testing Apparatus:



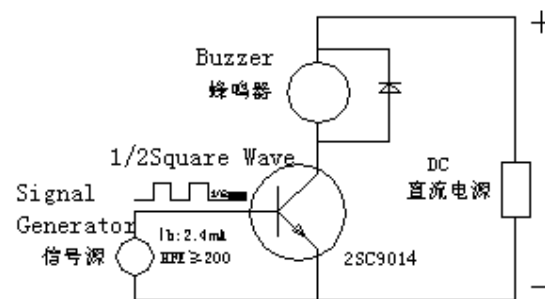
2. 产品测试方法:

Testing Method:



3. 驱动电路:

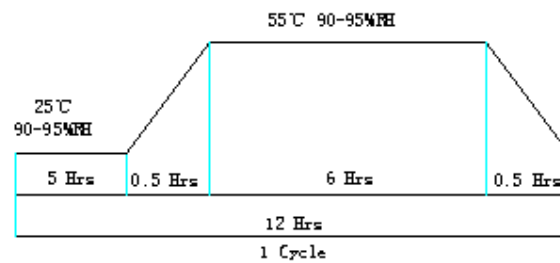
Circuit Diagram:



RELIABILITY TEST

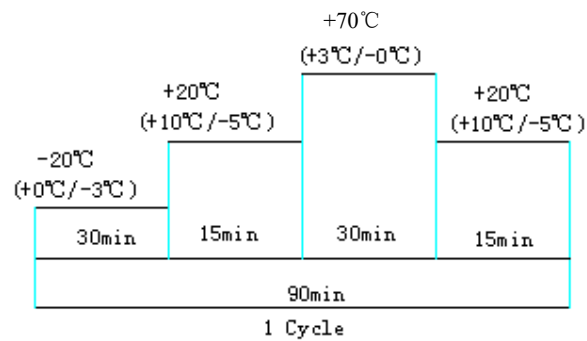
ITEM	METHOD OF TEST	STANDARD
Normal Temperature Test		All specification must be satisfied after the test.
High Temperature Test	After being placed in a chamber with $+70\pm 2^{\circ}\text{C}$ for 96 hours and then being placed in natural condition for 2 hours, sounder shall be measured.	All specification must be satisfied after the test.
Low Temperature Test	After being placed in a chamber with $-20\pm 2^{\circ}\text{C}$ for 96 hours and then being placed in natural condition for 2 hours, sounder shall be measured.	All specification must be satisfied after the test.
Humidity Test	After being placed in a chamber with, 90%-95%R.H. at $+40^{\circ}\text{C} \pm 2^{\circ}\text{C}$ for 96 hours and then being placed in natural condition for 2 hours, sounder shall be measured. (Attached FIG.1)	All specification must be satisfied after the test.
Temperature Cycle Test	After being placed in a chamber at $-20\pm 2^{\circ}\text{C}$ for 30 minutes, sounder shall be placed at room temperature($+20^{\circ}\text{C}$). After 15 minutes at this temperature, sounder shall be placed in a chamber at $+70\pm 2^{\circ}\text{C}$. After 30 minutes at this temperature, sounder shall be returned to room temperature($+20^{\circ}\text{C}$) for 15 minutes. After 5 above cycles, sounder shall be measured after being placed in natural condition for 2 hours. (Attached FIG.2)	All specification must be satisfied after the test.
Vibration Test	Sounder shall be measured after being applied vibration of amplitude of 1.5mm with 10-55Hz band of vibration frequency for 30 minutes. Sweep time is 1 minute. (Attached FIG.3)	All specification must be satisfied after the test.
Drop Test	Sounder shall be measured after being applied shock (100G) for each three mutually perpendicular directions to each of 3 times.	All specification must be satisfied after the test.
Terminal Strength Pulling Test	The force 5 seconds of 5N is applied to each terminal. No visible damage and cutting off.	All specification must be satisfied after the test.
Solder ability Test	Lead terminals are immersed in rosin for 5 seconds and then immersed in solder bath of $+235\pm 5^{\circ}\text{C}$ for 3 ± 0.5 seconds.	All specification must be satisfied after the test.

FIG. 1



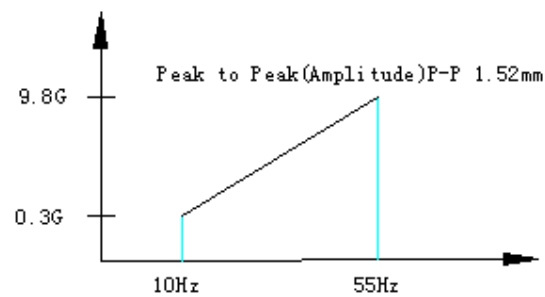
Make this for 5 cycles without applying power, then expose to the room temperature for 2 hours.

FIG. 2



Make this for 5 cycles without applying power, then expose to the room temperature for 2 hours.

FIG. 3



Make this for direction of X, Y, and Z for 2 hours each (total 6 hours).
To-and-fro sweep time (from 10 to 55 Hz then 55 to 10) is 1 minute

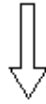
DBX-06

产品包装图 Packing

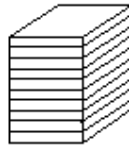
1. 发泡塑料盒
Foam Box



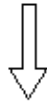
数量: 100只/盒
Quantity: 100pcs/box



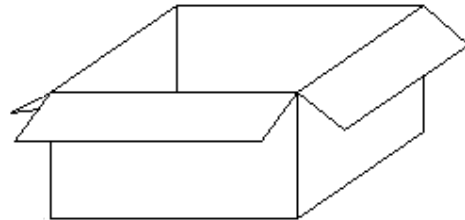
2. 塑料袋外包装
Plastic bag



数量: 10盒/扎
Quantity: 10boxes/bag



3. 纸箱包装
Carton



数量: 5000只/箱
Quantity: 5000 pcs/carton