

常州超音

SPECIFICATION FOR APPROVAL

承 认 书

Description : 蜂鸣器
Vender's Part No. : Cy-12085G-5042
Cstomer name :
Supplier name : 常州超音电子有限公司
Version No. : 1.1

CUSTOMER'S APPROVED SIGNATURE		

CHANGZHOU CHAOYIN ELECTRONIC CO., LTD
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Approved By	Checked By	Made By
		Nong 2014/02/17

A. SCOPE

This specification applies magnetic buzzer, **Cy-12085G-5042**

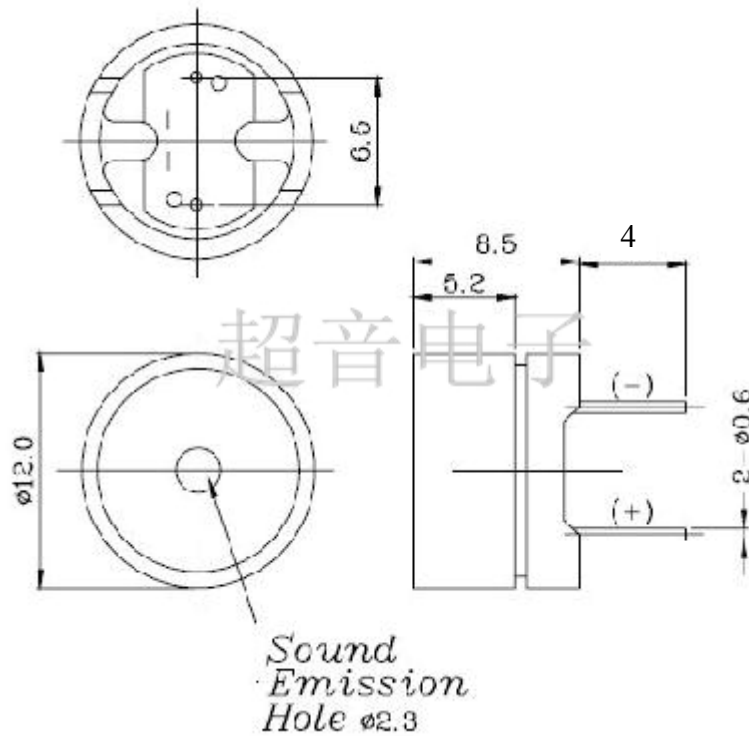
B. SPECIFICATION

No.	Item	Unit	Specification	Condition
1	Oscillation Frequency	KHz	2.048	Vo-p=1/2duty , square wave
2	Operating Voltage	VO-P	4-7	
3	Rated Voltage	VO-P	5	
4	Current Consumption	mA	MAX. ≤35	at Rated Voltage
5	Sound Pressure Level	dB	MIN.85	at 10cm at Rated Voltage
6	Coil Resistance	Ω	42±4	
7	Operating Temperature	°C	-20~ +70	
8	Storage Temperature	°C	-30 ~ +80	
9	Dimension	mm	Φ12* H8.5	See appearance drawing
10	Weight (MAX)	gram	1.2	
11	Housing Material		PPO 高温(Black)	支持波峰焊 260 度
12	Leading Pin		Tin Plated Brass(Sn)	针长 4.0MM
13	Environmental Protection Regulation		RoHS	



C. APPEARANCE DRAWING : Tol : ± 0.5

Unit: mm

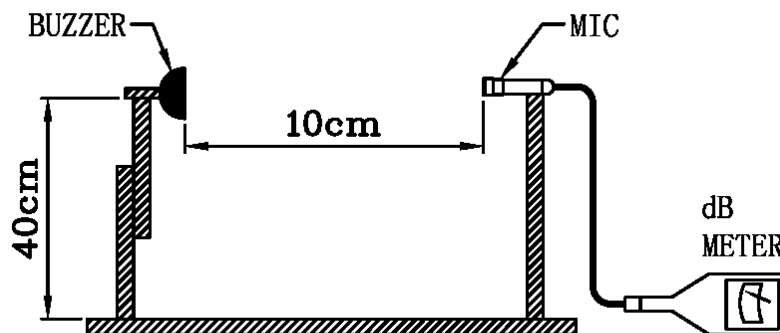


D. TESTING METHOD

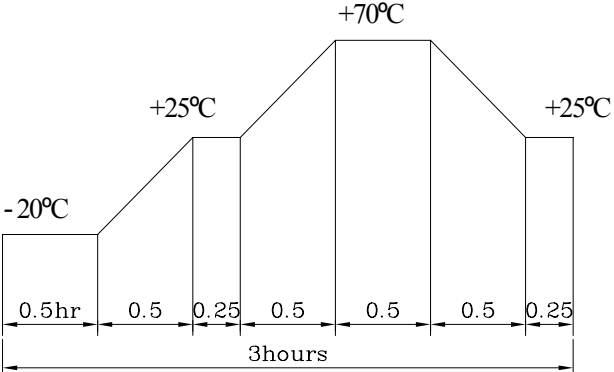
Standard Measurement conditions

Temperature: $25 \pm 2^\circ\text{C}$ Humidity: 45-65%

In the measuring test, buzzer is placed as follows:



E. RELIABILITY TEST

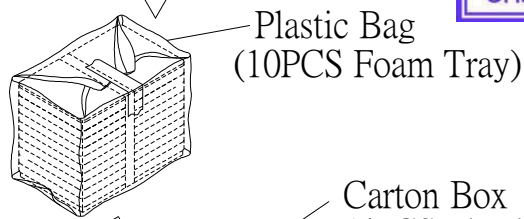
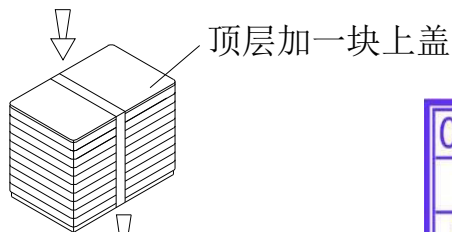
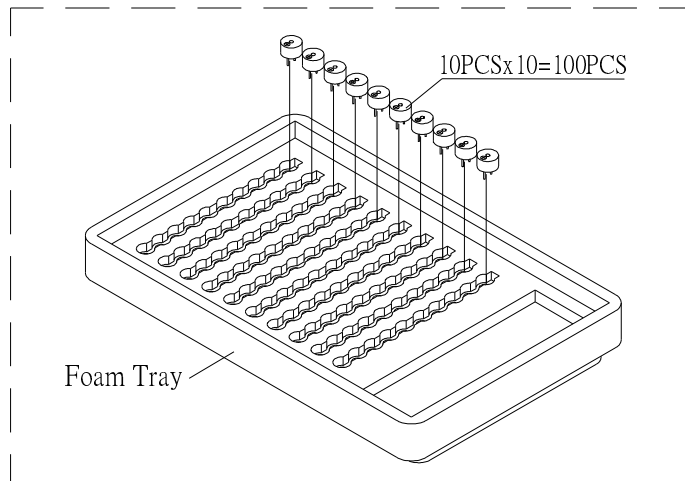
NO.	ITEM	TEST CONDITION AND REQUIREMENT
1	High Temperature Test (Storage)	After being placed in a chamber with $80\pm 2^{\circ}\text{C}$ for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: $\pm 10\text{dB}$.
2	Low Temperature Test (Storage)	After being Placed in a chamber with $-30\pm 2^{\circ}\text{C}$ for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: $\pm 10\text{dB}$.
3	Humidity Test	After being Placed in a chamber with 90-95% R.H. at $40\pm 2^{\circ}\text{C}$ for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: $\pm 10\text{dB}$.
4	Temperature Cycle Test	<p>The part shall be subjected to 5 cycles. One cycle shall be consist of :</p>  <p>The diagram shows a temperature cycle profile over a total duration of 3 hours. The cycle starts at -20°C for 0.5 hours. It then ramps up to $+25^{\circ}\text{C}$ in 0.5 hours, holds at $+25^{\circ}\text{C}$ for 0.25 hours, ramps up to $+70^{\circ}\text{C}$ in 0.5 hours, holds at $+70^{\circ}\text{C}$ for 0.5 hours, ramps down to $+25^{\circ}\text{C}$ in 0.5 hours, holds at $+25^{\circ}\text{C}$ for 0.25 hours, and finally ramps down to -20°C in 0.5 hours. The total duration of one cycle is 3 hours.</p> <p>Allowable variation of SPL after test: $\pm 10\text{dB}$.</p>
5	Drop Test	Drop on a hard wood board of 4cm thick, any directions ,6 times, at the height of 75cm . Allowable variation of SPL after test: $\pm 10\text{dB}$.
6	Vibration Test	After being applied vibration of amplitude of 1.5mm with 10 to 55 Hz band of vibration frequency to each of 3 perpendicular directions for 2 hours . Allowable variation of SPL after test: $\pm 10\text{dB}$.
7	Solderability Test	Lead terminals are immersed in rosin for 5 seconds and then immersed in solder bath of $+300\pm 5^{\circ}\text{C}$ for 3 ± 1 seconds . 90% min. lead terminals shall be wet with solder (Except the edge of terminals).
8	Terminal Strength Pulling Test	The force of 9.8N(1.0kg) is applied to each terminal in axial direction for 10 seconds. No visible damage and cutting off.

TEST CONDITION.

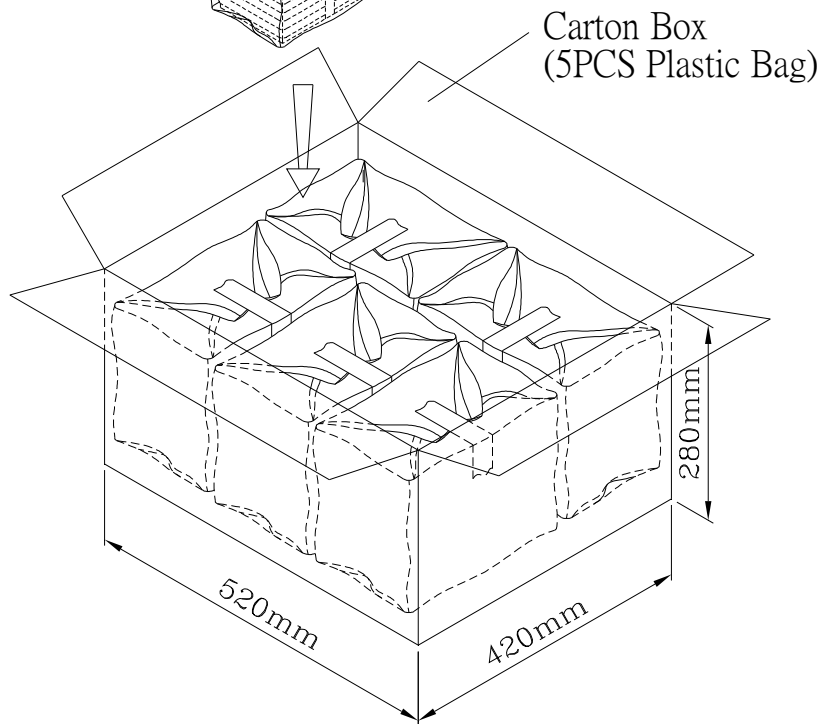
Standard Test Condition	:	a) Temperature : $+5 \sim +35^{\circ}\text{C}$	b) Humidity : 45-85%	c) Pressure : 860-1060mbar
一般测试条件	:	a) 温度 : $+5 \sim +35^{\circ}\text{C}$	b) 湿度 : 45-85%	c) 气压 : 860-1060mbar
Judgment Test Condition	:	a) Temperature : $+25 \pm 2^{\circ}\text{C}$	b) Humidity : 60-70%	c) Pressure : 860-1060mbar
争议时测试条件	:	a) 温度 : $+25 \pm 2^{\circ}\text{C}$	b) 湿度 : 60-70%	c) 气压 : 860-1060mbar



F. PACKING STANDARD



CONTROLLED DOCUMENT
受控文件
Sharp-pro Stamp (IQC)



Foam Tray	240mmx160mmx30mm	1x100PCS=100PCS
Plastic Bag		10x100PCS=1000PCS
Carton Box	520mmx420mmx280mm	5x1000PCS=5,000PCS