

HF 规格承认书

SPECIFICATION FOR APPROVAL

客户 :
Customer : _____

项目 : 电磁式无缘蜂鸣器
Item : _____

客户料号 :
Customer P/N : _____

公司型号 : HF-BM12090-1624-01
Company Model NO. : _____

公司料号 :
Company Part NO. : _____

客户确认栏

Customer Authorization Signature

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乐平市宏飞电子有限公司

LEPING HONGFEI ELECTRONICS CO.,LTD.

地址: 江西省乐平市镇桥镇乐安村委会李京村

ADD : LiJing Village,Lean Village Neighborhood Committee,Zhenqiao Town,LePing City,JiangXi Province.

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邮箱 (Email) : hongfei.elec@yahoo.com.cn

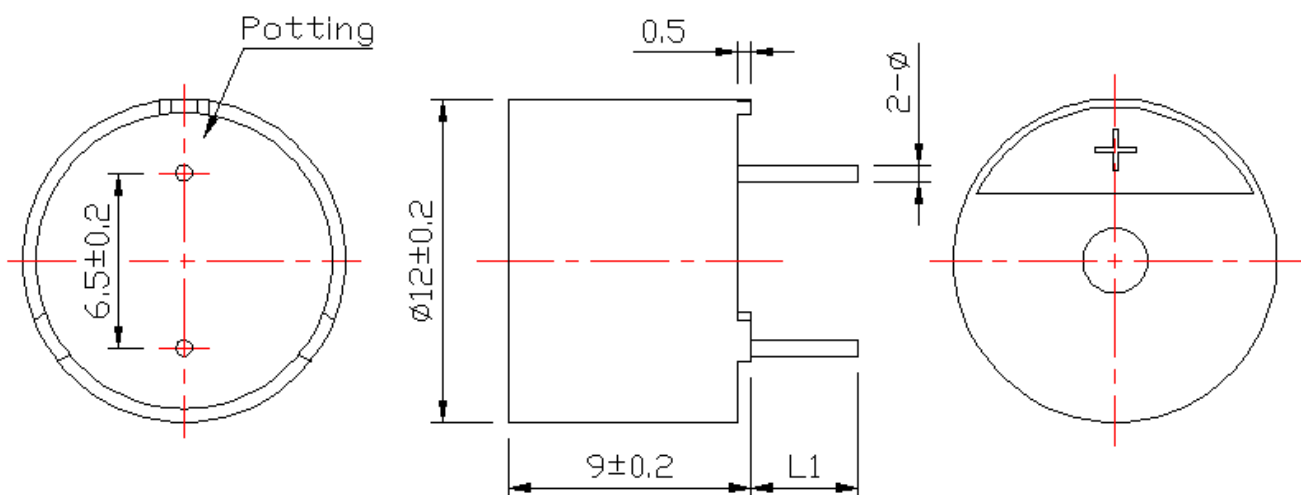
HF	宏飞电子有限公司 HONGFEI ELECTRONICS CO., LTD.	Tel :+86-798-6506788,18979853650; Fax:+86-798-6506788; Email:hongfei.elec@yahoo.com.cn.	
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Specification for Electro-Magnetic Buzzer (Pin Type)		Des.	Chk.
		Li YanFei	Li YanFei
Model No.:	HF-BM12090-1624-01	2011-6-28	2011-6-28

Electro-Magnetic Buzzer

1. SPECIFICATION		
1.1	Dimension	Φ12.0×H9.0
1.2	Net Weight	Approx 1.5g
1.3	Rated Voltage	1.5 Vo-p
1.4	Operating Voltage	1~3 Vo-p
1.5	Rated Current	Max.40mA ,at 2.4KHz 50% duty Square Wave 1.5Vo-p
1.6	Sound Output	Min. 85dB,at 2.4KHz 50% duty Square Wave 1.5Vo-p
1.7	Coil Resistance	16±4Ω
1.8	Resonant Frequency	2400Hz
1.9	Operating Temperature	-20℃~+70℃
1.10	Store Temperature	-30℃~+80℃
1.11	Pin	L1=3.4±0.5,Φ=0.6±0.1mm

◆ Dimensions

Unit: mm



◆Unit: mm; Tolerance: ±0.5mm Except Specified;

◆Housing Material: Black PPO;

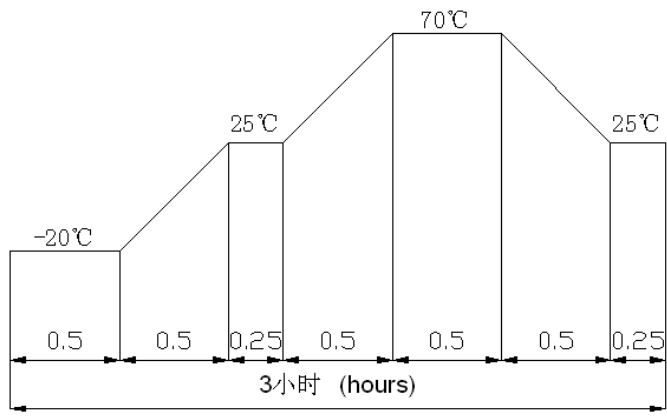
◆焊接:焊接温度 260℃时间 3 秒以内.

质量是企业之灵魂，诚信是企业之生命

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2. RELIABILITY TEST

After any following tests the part shall meet specifications without any degradation in appearance and performance except SPL. SPL shall not deviate more than -10 dB from the initial value

NO.	ITEM	TEST CONDITION AND REQUIREMENT
2.1	Ordinary Temperature Life Test	The part shall be subjected to 96 hours at 25±10°C. Input rated voltage resonant frequency, 1/2 duty Square wave.
2.2	High Temperature Test	The part shall be capable of with standing a storage temperature of +70°C for 48 hours.
2.3	Low Temperature Test	The part shall be capable of with standing a storage temperature of -20°C for 48 hours.
2.4	Humidity Test	Temperature:+45°C±2°C Relative Humidity:90%~95% Duration: 48 hours and expose to room temperature for 4 hours.
2.5	Temperature Shock Test	<p>One cycle shall be consist of:</p>  <p>The diagram shows a temperature profile over 3 hours. It starts at -20°C for 0.5 hours, then ramps up to 25°C in 0.5 hours, stays at 25°C for 0.25 hours, ramps up to 70°C in 0.5 hours, stays at 70°C for 0.5 hours, ramps down to 25°C in 0.5 hours, stays at 25°C for 0.25 hours, and finally ramps down to -20°C in 0.5 hours. The total cycle is 3 hours.</p> <p>Total cycle: 5 cycles</p>
2.6	Drop Test	Standard Packaging From 1.5m(Drop on hard wood or board of 5cm thick, three sides, six plain.)
2.7	Vibration Test	Vibration:1000cycles /min. Amplitude:1.5mm, Duration: 1 hour in each 3 axes

TEST CONDITION.

Standard Test Condition : a)Temperature:+5~+35°C b)Humidity:45~85% C)Pressure:860~1060mbar
 一般测试条件 : a)温度 :+5~+35°C b)湿度 :45~85% C)气压 :860~1060mbar
 Judgment Test Condition : a)Temperature:+25±2°C b)Humidity:60~70% C)Pressure:860~1060mbar
 争议测试条件 : a)温度 :+25±2°C b)湿度 :60~70% C)气压 :860~1060mbar

Note.:

As this product is not protected from foreign material entering, please make sure that any foreign materials (e.g. magnetic powder, washing solvent, flux, corrosive gas) do not enter this product in your production processes. The functional degradation (e.g. SPL down) may occur if foreign material enter it.



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Model No.: HF-BM12090-1624-01

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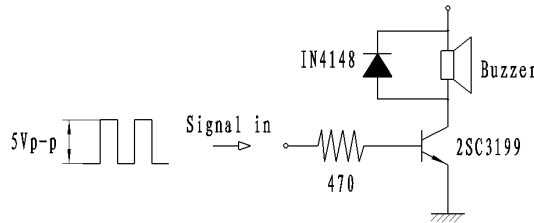
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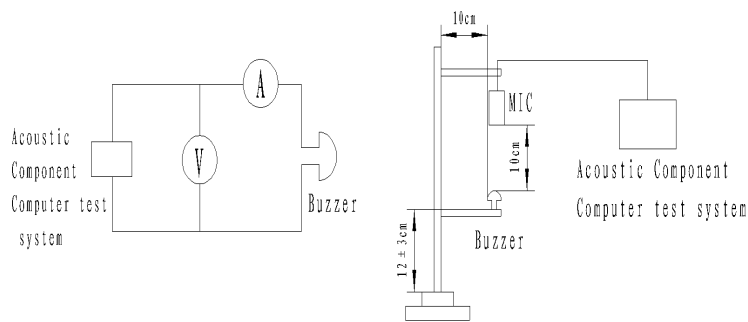
3. Electrical And Acoustical Measuring Condition

3.1 Recommended Driving Circuit

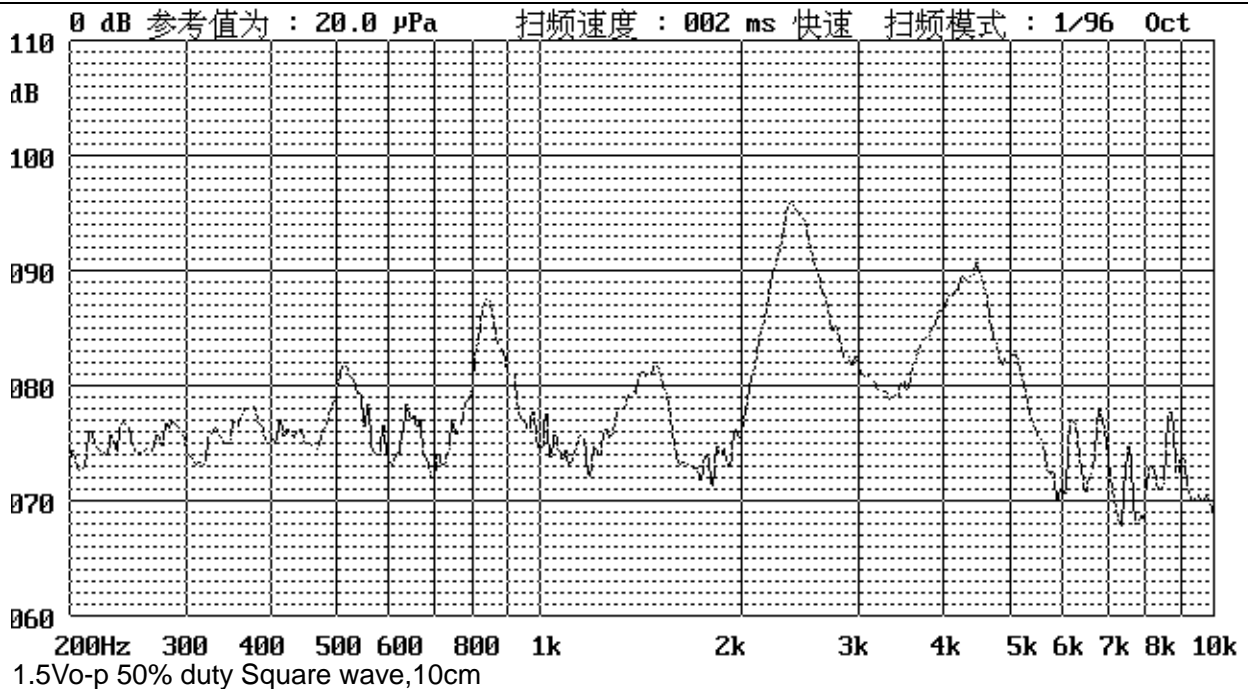
Resonant frequency, 1/2 duty cycle. Square wave. Signal amplitude should be large enough to saturate the transistor.



3.2 Recommended Setting



4. Frequency Response





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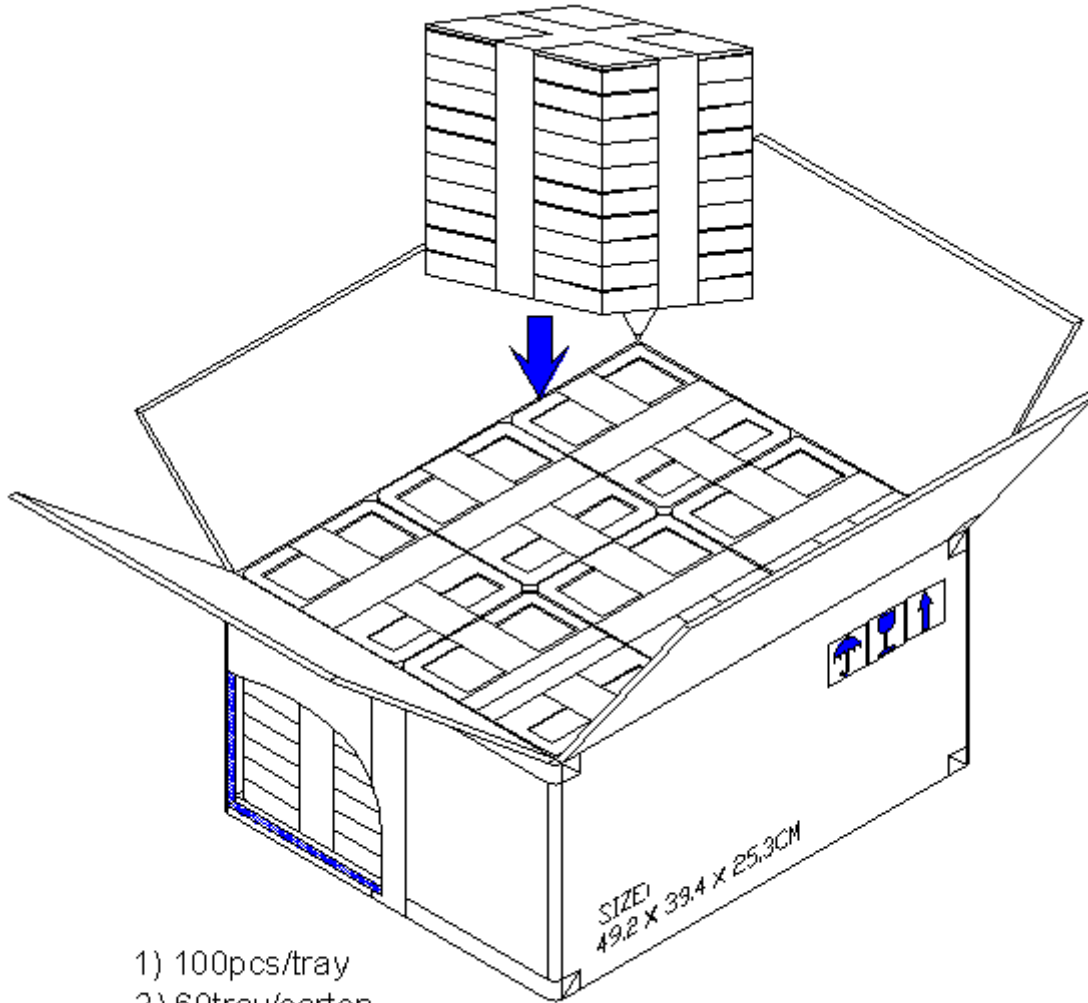
Li YanFei

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5.Packing



- 1) 100pcs/tray
- 2) 60tray/carton
- 3) 6000pcs/carton in total
- 4) carton size 49.2X39.4X25.3 cm