

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-BM12065EF-4227-01
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.

电话(Tel) : +86-798-6506788

传真(Fax) : +86-798-6506788

邮箱(Email) : hongfei.elec@yahoo.com.cn

质量是企业之灵魂, 诚信是企业之生命

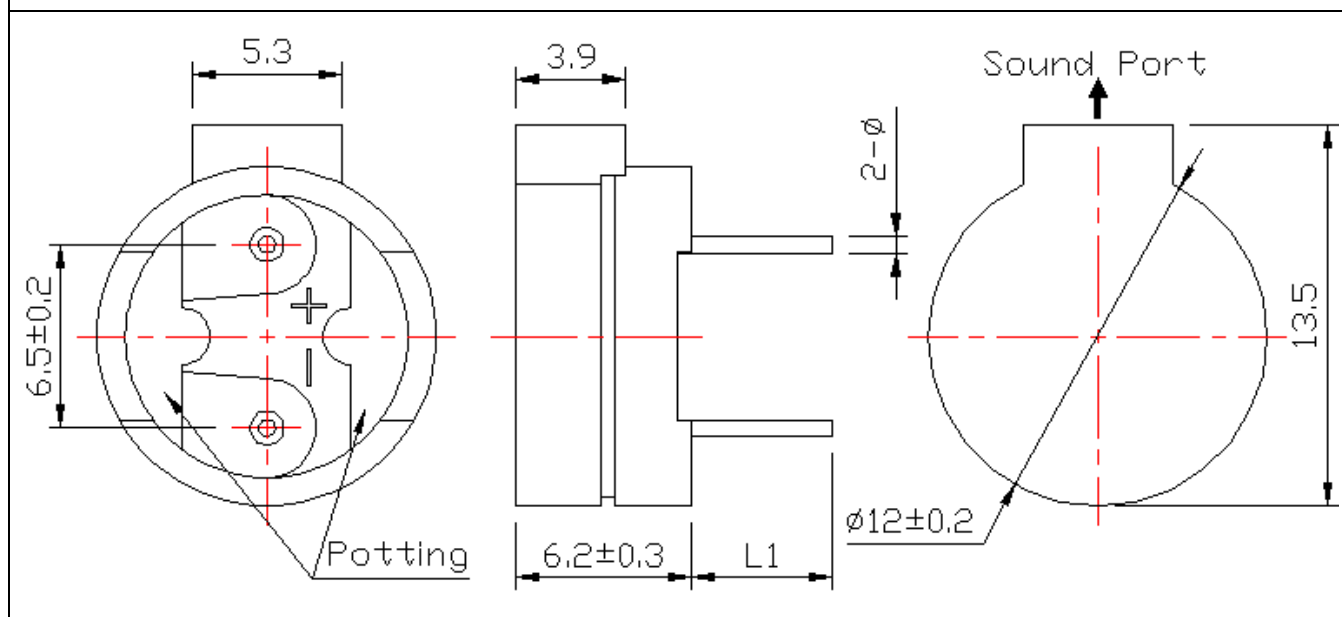
		宏飞电子有限公司 HONGFEI ELECTRONICS CO., LTD.	Tel :+86-798-6506788,18979853650; Fax:+86-798-6506788; Email:hongfei.elec@yahoo.com.cn.
Specification for Electro-Magnetic Buzzer (Pin Type)			Update/11F26 Page 2 of 5 Des. Chk. Li YanFei Li YanFei 2011-6-28 2011-6-28
Model No.:	HF-BM12065EF-4227-01		

Electro-Magnetic Buzzer

1. SPECIFICATION		
1.1	Dimension	Φ12.0×H6.5
1.2	Net Weight	Approx 1.5g
1.3	Rated Voltage	5 Vo-p
1.4	Operating Voltage	3~7 Vo-p
1.5	Rated Current	Max.40mA ,at 2731KHz 50% duty Square Wave 5Vo-p
1.6	Sound Output	Min. 85dB,at 2731Hz 50% duty Square Wave 5Vo-p
1.7	Coil Resistance	42±6Ω
1.8	Resonant Frequency	2731Hz
1.9	Operating Temperature	-20℃~+70℃
1.10	Store Temperature	-30℃~+80℃
1.11	Pin	L1=5.0±0.5,Φ=0.6±0.1mm

◆ Dimensions

Unit: mm



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

◆Housing Material: Black PPO;

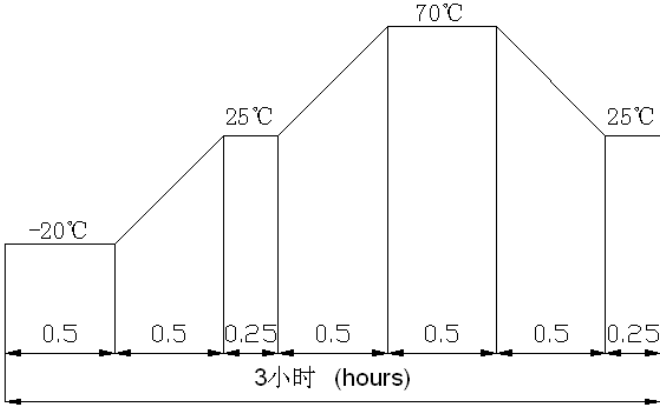
◆焊接:焊接温度 260℃时间 3 秒以内.

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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℃. 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℃ for 48 hours.
2.3	Low Temperature Test	The part shall be capable of with standing a storage temperature of -20℃ for 48 hours.
2.4	Humidity Test	Temperature:+45℃±2℃ Relative Humidity:90%~95% Duration: 48 hours and expose to room temperature for 4 hours.
2.5	Temperature Shock Test	One cycle shallbe consist of:  The diagram shows a temperature profile over 3 hours. It starts at -20℃ for 0.5 hours, ramps up to 25℃ (0.5h), holds at 25℃ (0.25h), ramps up to 70℃ (0.5h), holds at 70℃ (0.5h), ramps down to 25℃ (0.5h), holds at 25℃ (0.25h), and finally ramps down to -20℃ (0.25h). The total cycle is 3 hours. Total cycle: 5 cycles
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℃ b)Humidity:45~85% C)Pressure:860~1060mbar
一般测试条件 : a)温度 :+5~+35℃ b)湿度 :45~85% C)气压 :860~1060mbar
Judgment Test Condition : a)Temperature:+25±2℃ b)Humidity:60~70% C)Pressure:860~1060mbar
争议测试条件 : a)温度 :+25±2℃ b)湿度 :60~70% C)气压 :860~1060mbar

Note.:

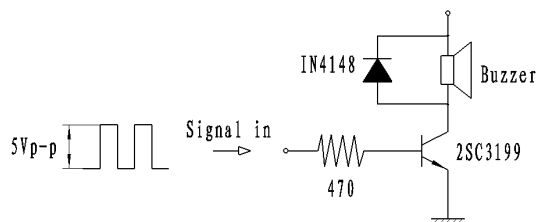
As this product is not protected from foreign material entering, please make sure that any foreign materials (e.g. magnetic powder, washing solvent, flux, corrosive gas) do not enter this product in your production processes. The functional degradation (e.g. SPL down) may occur if foreign material enter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

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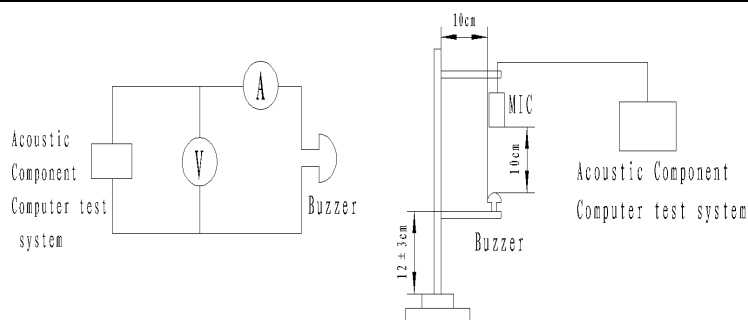
3. Electrical And Acoustical Measuring Condition

3.1 Recommended Driving Circuit

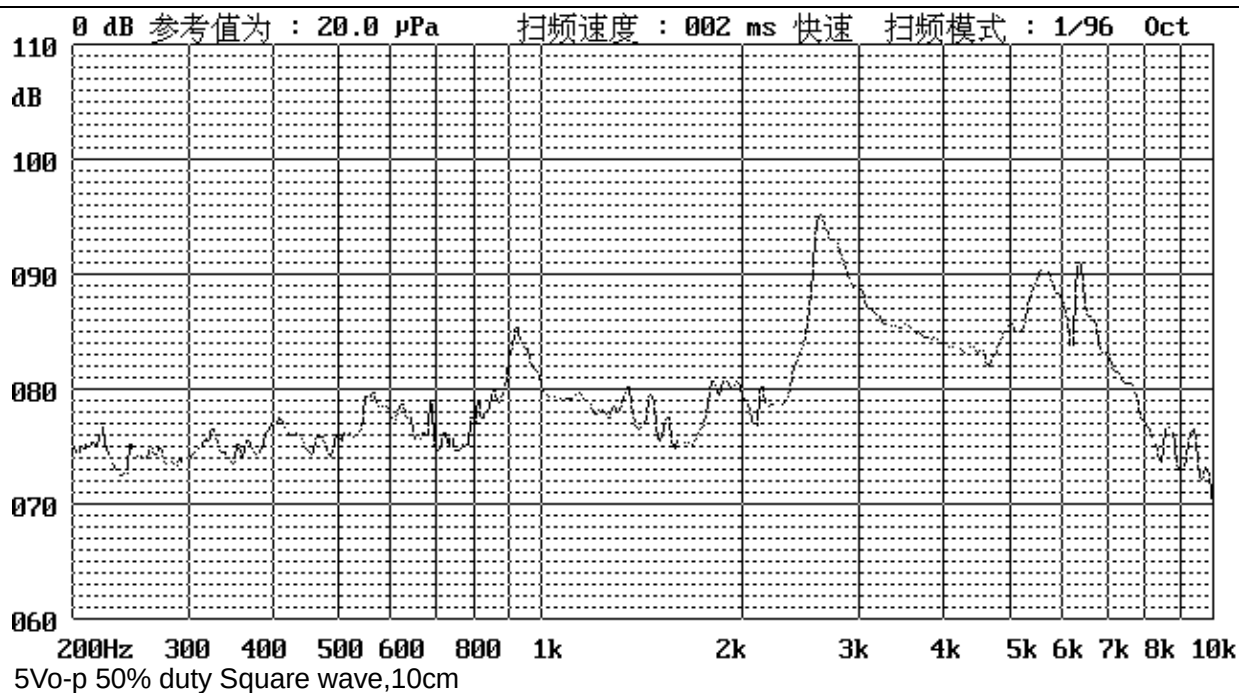
Resonant frequency, 1/2 duty cycle. Square wave.Signal amplitude should be large enough to saturate the transistor.



3.2 Recommended Setting

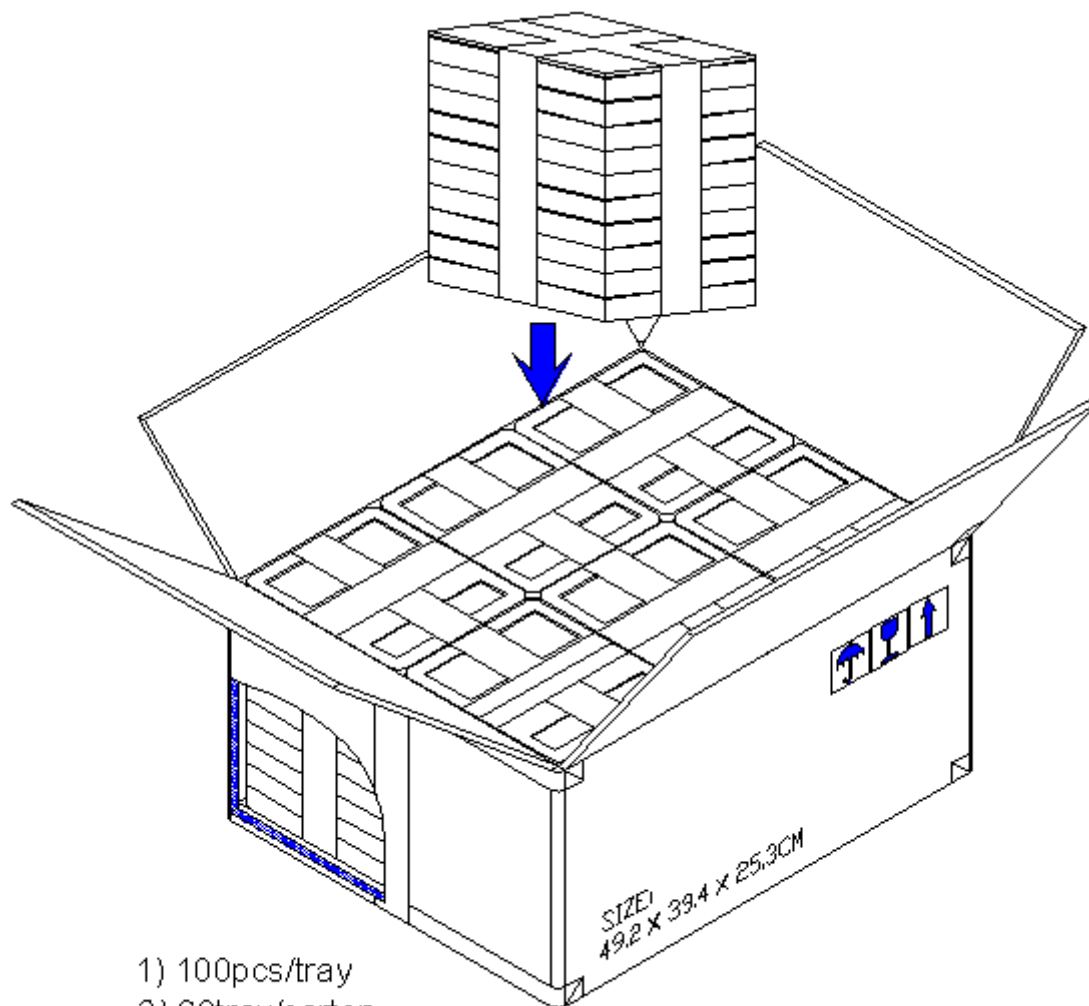


4.Frequency Response



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5.Packing



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