

SPECIFICATION FOR APPROVAL

承认书

Customer (客户) : _____

Product Name (产品名称) : _____ 压电无源蜂鸣器 _____

Zhenmei Part No. (臻美型号) : _____ MIMS1230S4005A _____

Specification (规格) : _____ 12*3.0 _____

Customer's Model No. (客户型号) : _____

Specification No. (规格书编号) : _____ MI-PE-17072601A1 _____

Number of the edition (版本号) : _____ A1 _____

CUSTOMER'S APPROVED SIGNATURE 客户承认盖章		



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Approved by 核准	Checked by 审核	Issued by 制成

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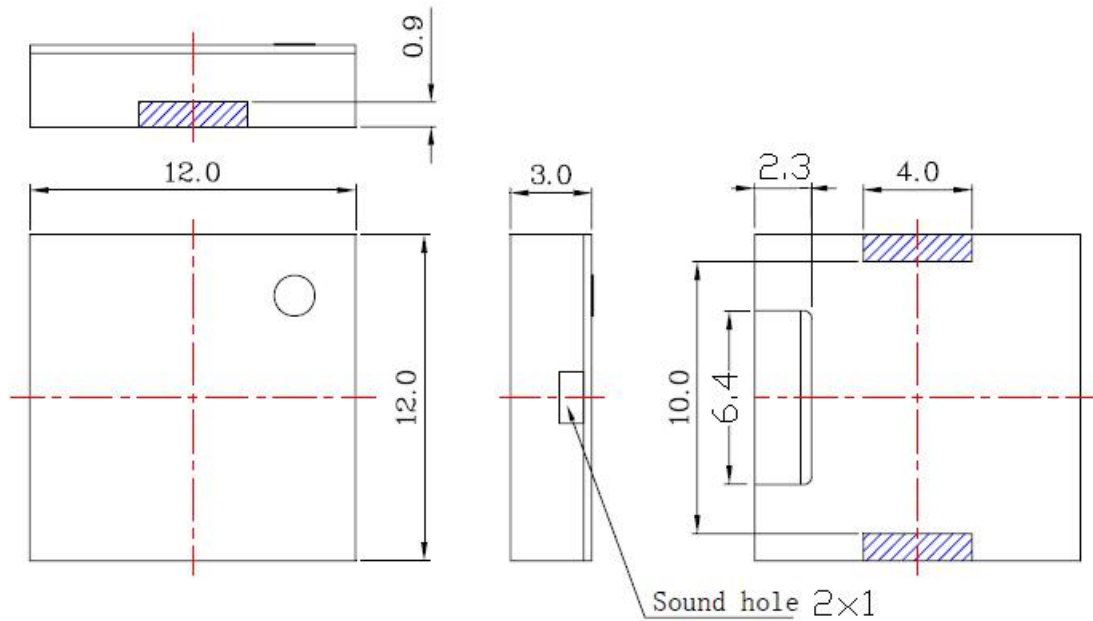
产品型号

MIMS1230S4005A

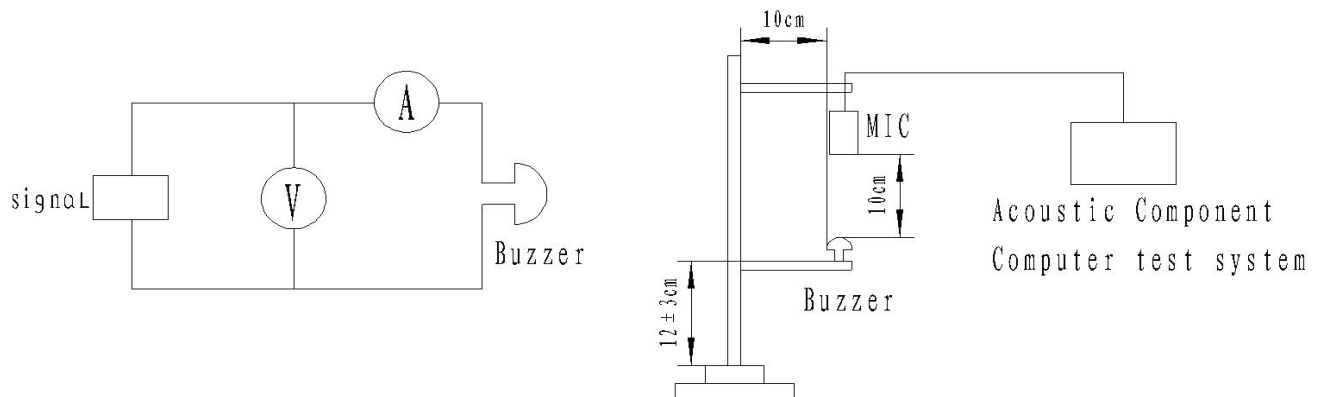
SPECIFICATION

1	Rated Voltage (V p-p)	5
2	Operating Voltage(V p-p)	1~25
3	Capacitance at 1000Hz (nf)	15±30%
4	Resonant Frequency (Hz)	4000
5	Sound Output at 10cm (dB)	≥85
6	Current Consumption (mA)	≤5
7	Operating Temperature (°C)	-20~+70
8	Storage Temperature (°C)	-30~+80

DIMENSIONS: Unit: mm ±0.3



TEST METHOD:



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RELIABLY TEST:

NO.	ITEM	TESTING CONDITION	VARIANCE AFTER TEST
1	High temp.	The part shall be capable of withstanding a storage temperature is +85°C for 96 hours	After the test the part shall meet specifications without any degradation in appearance and performance except SPL shall be initial value ± 10dB or more.
2	Low temp.	The part shall be capable of withstanding a storage temperature is -40°C for 96 hours	
3	Temp. Cycle	Total 5 cycles, 1 cycle consisting of -40±2°C, 30 minutes 20±5°C 15 minutes 85±2°C, 30 minutes 20±5°C 15 minutes	
4	Humidity Test	40±2°C, 90~95% RH, 96 hours	
5	Vibration Test	The part shall be subjected to a vibration cycle is 10Hz in a period of 1 minute. Total peak amplitude shall be 1.52mm(9.3g). The vibration test shall consist of 2 hours per plane in each three mutually perpendicular planes for a total time of 6 hours.	
6	Shock	Sounder shall be measured after being applied shock for each three mutually perpendicular directions to each of 3 times by half sine wave.	
7	Drop Test	Dropped naturally from 700mm height onto the surface of 10mm thick wooden board. 2 directions-upper and side of the part are to be applied.	

Remark: ★ Instance Soldering Process

Buzzer Soldering process		Soldering Parameter			
		Temp.(°C)	Time(Sec.)	Times	
Inclusive Lead		Wave soldering	245±5	3~6	1~2
		Manual soldering	330±10	1~2	1~2
Lead Free		Wave soldering	260±5	4~8	2~3
	★	Manual soldering	350±10	1~3	2~3

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SAMPLE TEST REPORT:

SPE.	SPL(dB)	Co(nF)	I(mA)	Important Dimensions:mm			
	≥85	16±30%	≤5	12±0.3	3.0±0.3		
1	92	10.9	0.4	12.04	3.04		
2	92	10.6	0.5	12.03	3.06		
3	93	10.5	0.6	12.05	2.95		
4	91	10.8	0.4	12.01	3.03		
5	91	10.6	0.6	12.03	3.04		
6	92	10.2	0.6	12.03	2.96		
7	93	10.3	0.5	12.05	2.95		
8	91	10.4	0.7	12.03	3.06		
9	93	10.9	0.6	12.05	3.06		
10	93	10.2	0.5	12.04	3.05		
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
AVE.	92	10.2	0.5	12.04	3.02		
MAX.	93	10.9	0.7	12.05	3.06		
MIN.	91	10.6	0.4	12.01	2.95		
Remark:							
Conclusion:	Pass(<input checked="" type="checkbox"/>)			Fail(<input type="checkbox"/>)			

Frequency Response

曲线图 RESPONSE

型号: BCE-M1230

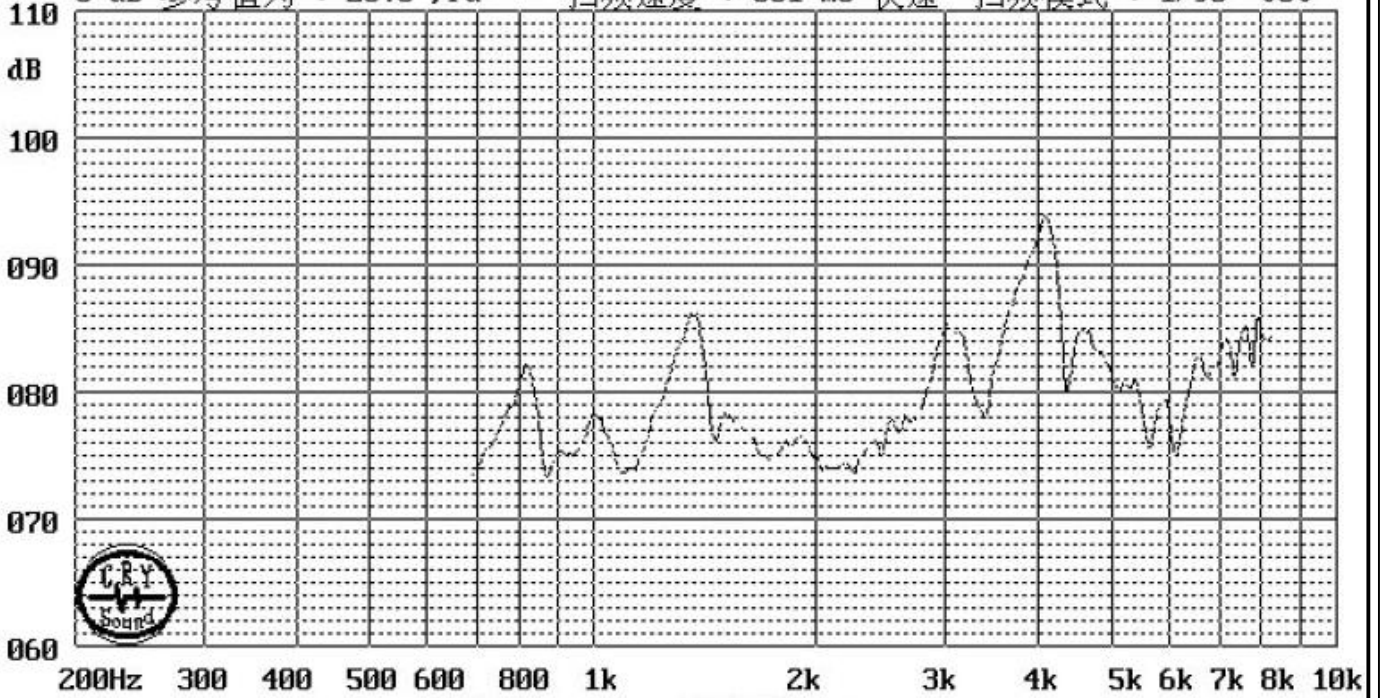
Fc= 4000 Hz 092.31 dB

方波

电压: 4500 mV

Fo= 4078 Hz 093.73 dB

0 dB 参考值为 : 20.0 μ Pa 扫频速度 : 001 ms 快速 扫频模式 : 1/96 Oct



测试电压: 9Vp-p 测试距离: 10cm