

SPECIFICATION FOR APPROVAL

承认书

Customer (客户) : _____

Product Name (产品名称) : 压电无源蜂鸣器引线

Zhenmei Part No. (臻美型号) : MIMSWP42162700

Specification (臻美规格) : 42*16

Customer's Model No. (客户型号) : _____

Specification No. (规格书编号) : SQ-PE-12020616-01

Number of the edition (版本号) : A1

CUSTOMER'S APPROVED SIGNATURE 客户承认盖章

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臻美智能电子
zhenmei smart electronics

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Approved by 核准	Checked by 审核	Issued by 制作
		JCF

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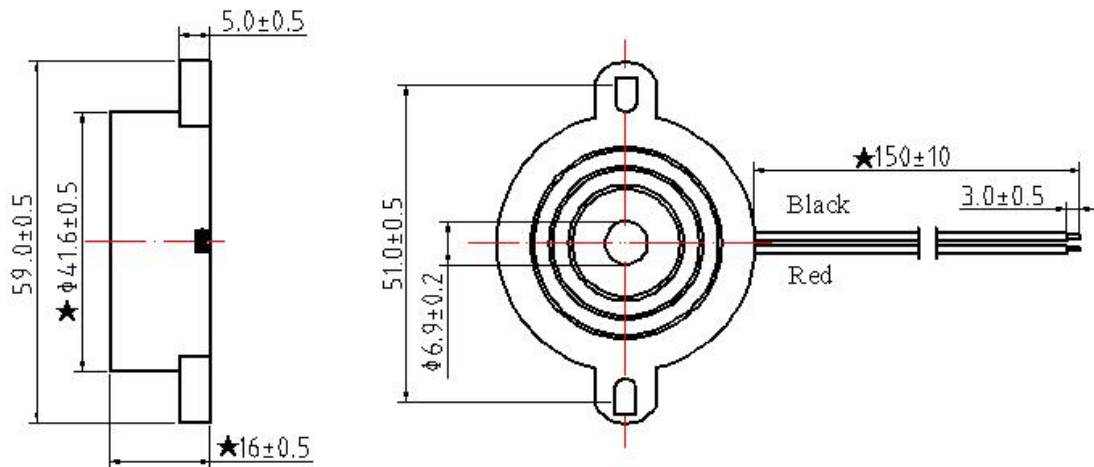
PART . NO.
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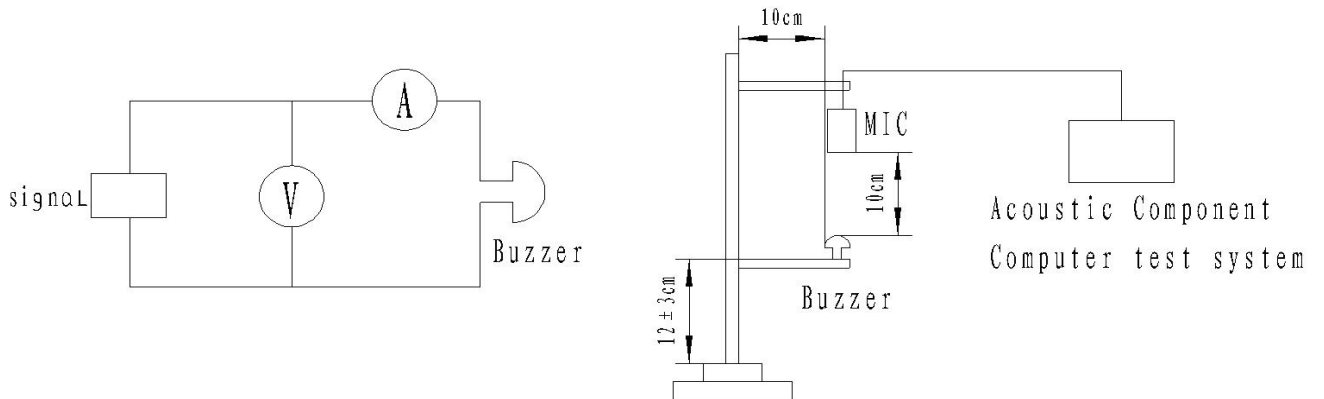
SPECIFICATION

1	Rated Voltage (V p-p)	9
2	Operating Voltage(V p-p)	1~25
3	Capacitance at 1000Hz (nF)	32±30%
4	Resonant Frequency (Hz)	3000
5	Sound Output at 10cm (dB)	≥88
6	Current Consumption (mA)	≤5
7	Operating Temperature (°C)	-20~+60
8	Storage Temperature (°C)	-30~+70

DIMENSIONS: Unit: mm ±0.5 1007#30



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			
	≥88	32±30%	≤5.0	41.6±0.5	16±0.5	150±10	
1	94	32.3	1.4	41.69	16.07	145	
2	94	33.2	1.5	41.74	16.08	146	
3	95	32.1	1.6	41.75	16.10	146	
4	93	32.8	1.4	41.72	16.10	148	
5	94	32.5	1.6	41.69	16.08	146	
6	93	32.6	1.6	41.68	16.05	147	
7	95	33.5	1.5	41.68	16.04	147	
8	94	33.2	1.7	41.68	16.08	146	
9	93	33.1	1.6	41.69	16.08	146	
10	94	32.5	1.5	41.70	16.07	145	
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
AVE.	94	32.5	1.5	41.70	16.08	146	
MAX.	95	33.5	1.7	41.74	16.10	148	
MIN.	93	32.1	1.4	41.68	16.04	145	
Remark:							
Conclusion:	Pass(<input checked="" type="checkbox"/>)			Fail(<input type="checkbox"/>)			