

SPECIFICATION FOR APPROVAL

承认书

Customer (客户) : _____

Product Name (产品名称) : _____ 电磁式有源蜂鸣器

Zhenmei Part No. (臻美型号): _____ MIMS9042-2700-5v

Specification (产品规格) : _____ 9*4.2mm

Customer's Model No. (客户型号): _____

Specification No. (规格书编号): _____ LXB-09042-05027

Number of the edition (版本号) : _____ A1

CUSTOMER'S APPROVED SIGNATURE 客户承认盖章

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
		CCN

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PART. NO.
产品型号

MIMS9042-2700-5v

A. SCOPE

This specification applies magnetic buzzer, MIMS9042-2700-5v

B. SPECIFICATION

No.	Item	Unit	Specification	Condition
1	Oscillation Frequency	KHz	2.7 ± 0.3	
3	Rated Voltage	VDC	5	
4	Current Consumption	mA	MAX. 30	at Rated Voltage
5	Sound Pressure Level	dB	MIN. 75	at 10cm at Rated Voltage
6	Tone/Pulse Rate		Constant	
7	Operating Temperature	°C	-20 ~ +70	
8	Storage Temperature	°C	-30 ~ +80	
9	Dimension	mm	Φ9.0 x H4.2	See appearance drawing
10	Weight (MAX)	gram	1.0	
11	Housing Material		PPO(Black)	
12	Leading Pin		Tin Plated Brass(Sn)	See appearance drawing
13	Environmental Protection Regulation		RoHS	

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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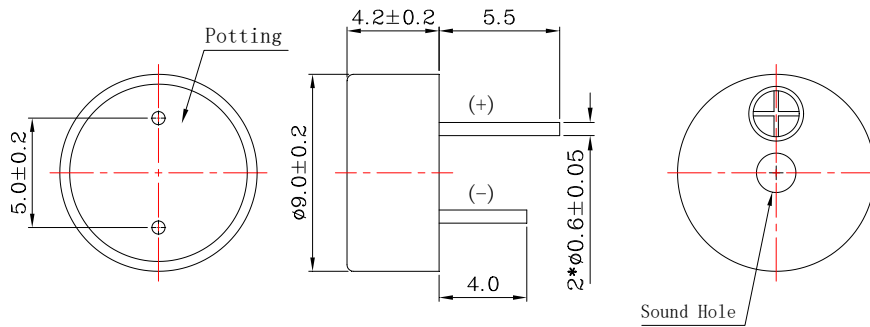
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C. APPEARANCE DRAWING



Tol : ± 0.5 Unit: mm

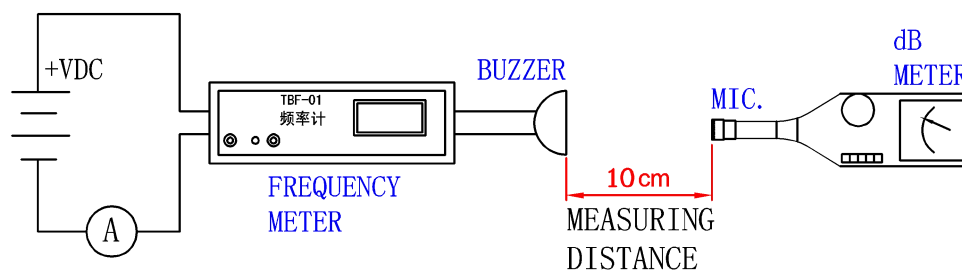
D. TESTING METHOD

Standard Measurement conditions

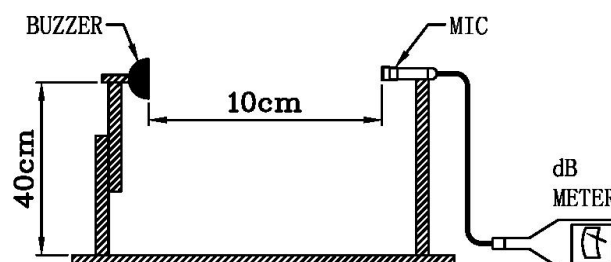
Temperature: $25 \pm 2^\circ\text{C}$ Humidity: 45-65%

Acoustic Characteristics:

The oscillation frequency, current consumption and sound pressure are measured by the measuring instruments shown below



In the measuring test, buzzer is placed as follows:



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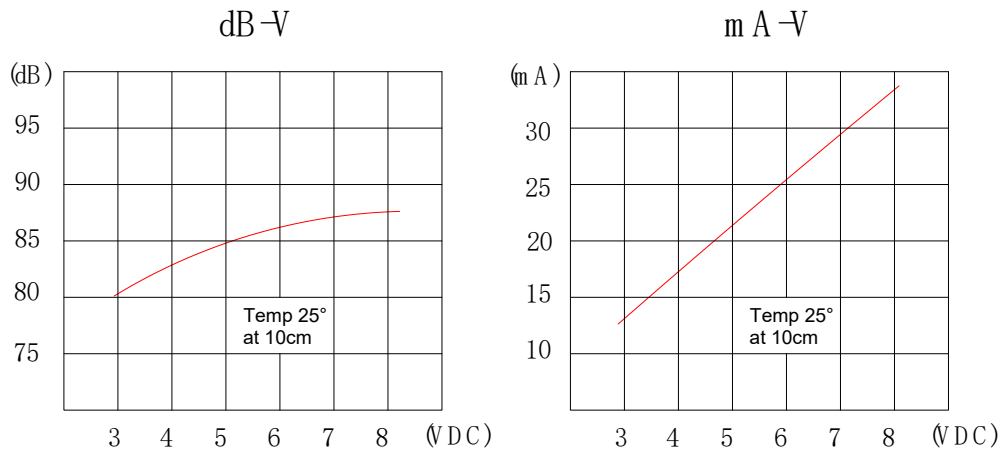
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E. VOLTAGE / CURRENT / SOUND PRESSURE CHARACTERISTICS



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F. 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 style="text-align: center;"> -20°C $+25^{\circ}\text{C}$ $+70^{\circ}\text{C}$ $+25^{\circ}\text{C}$ </p> <p style="text-align: center;"> 0.5hr 0.5 0.25 0.5 0.5 0.5 0.25 </p> <p style="text-align: center;">3hours</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

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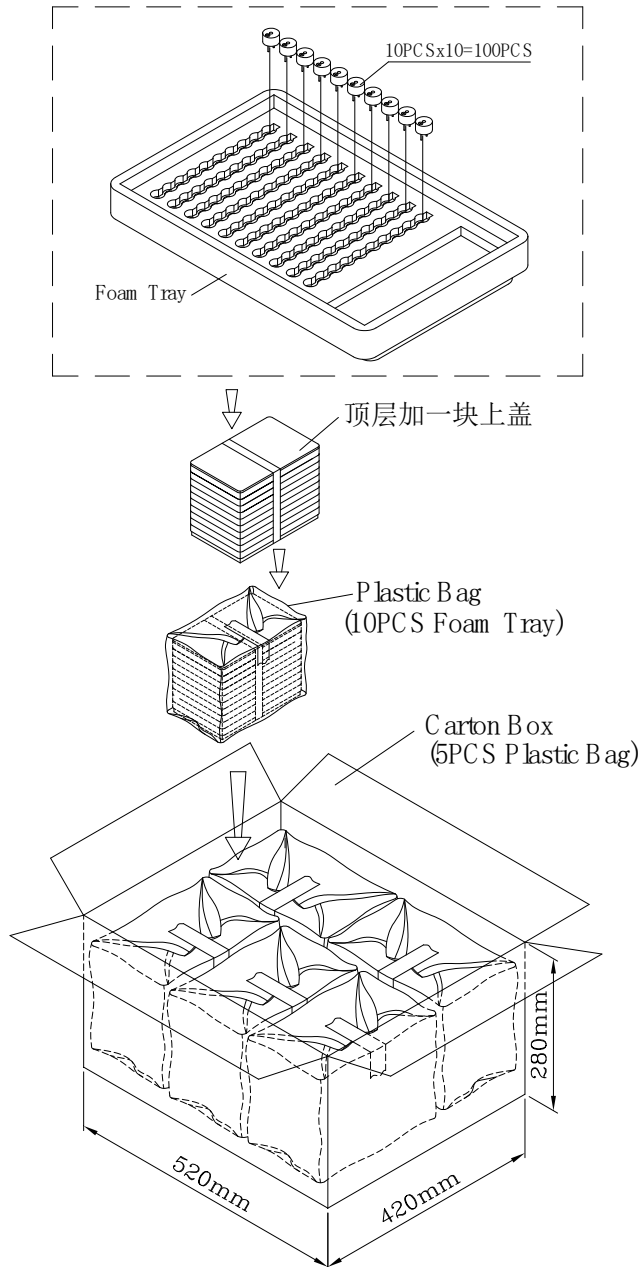
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G. PACKING STANDARD



Foam Tray	240m m x160m m x30m m	1x100PCS=100PCS
Plastic Bag		10x100PCS=1000PCS
Carton Box	520m m x420m m x280m m	5x1000PCS=5,000PCS