



ROHS

SPECIFICATION OF PRODUCT

承认书

CUSTOMER: _____

DESCRIPTION: SMD Magnetic Buzzer

FUSHENG P/N: FUET-8536

CUSTOMER P/N: _____

DATE: 2025-03-13

CUSTOMER	APPROVER	CHECKER
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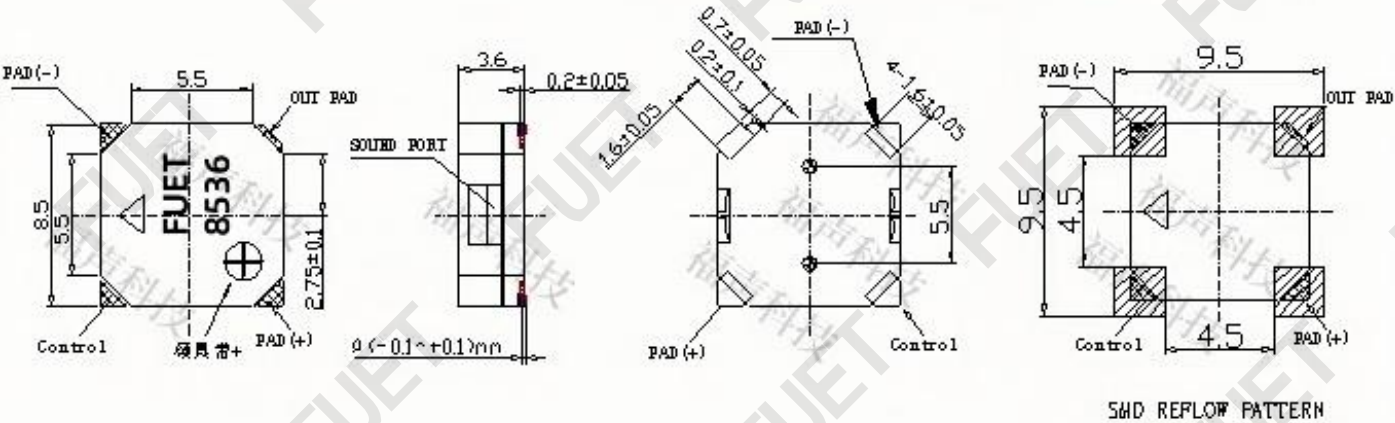
邮箱: fs.wu@electronic-tech.cn

网址: www.tzfsdz.com

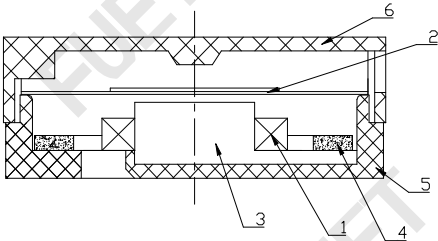
1.SPECIFICATION 规格

No.	Item	Unit	Specification	Condition
1	Oscillation Frequency	Hz	2700	
2	Operating Voltage	VDC	2 ~ 5	
3	Rated Voltage	VDC	3	
4	Current Consumption	mA	MAX. 40	at Rated Voltage
5	Sound Pressure Level	dB	MIN. 82	at 10cm at Rated Voltage
6	Operating Temperature	℃	-40 ~ +85	
7	Storage Temperature	℃	-40 ~ +85	
8	Dimension	mm	8.5 x 8.5 x H3.6	See appearance drawing
9	Weight (MAX)	gram	0.8	
10	Housing Material		LCP(Black)	
11	Leading Pin		Tin Plated Brass(Sn)	See appearance drawing
12	Environmental Protection Regulation		RoHS	

2. APPEARANCE DRAWING 尺寸图



Control 接高电平 (+) 发声音: Control 接低电平 (-) 不发音
Change to textured bottom housing



Cadmium (Cd) / Cadmium Compounds	<100ppm
Lead (Pb) / Lead Compounds	<800ppm
Mercury (Hg) / Mercury Compounds	<800ppm
Hexavalent-Chromium (Cr6+) Compounds	<800ppm
PBB	<800ppm
PBDE	<800ppm

1. All parts must be meet to ROHS2.0.
2. Reflow solder allowed, wash not allowed.

6	Cover	1	LCP	
5	Case	1	LCP	
4	Magnet	1	Bonded NdFeB	
3	Iron	1	Iron	
2	Diaphragm	1	Iron	
1	Coil Part	1	Copper Iron	
Part No.	Part Name	Q'TY	Material	Remark

3. TESTING METHOD 测量方式

3-1-1.STANDARD

Temperature : $25\pm 3^{\circ}\text{C}$

Relative humidity : 60% ~ 70%,

Atmospheric pressure : 860mbar to 1060mbar

3-1-2.JUDGEMENT

Temperature : $15 \sim 35^{\circ}\text{C}$

Relative humidity : 45% ~ 85%,

Atmospheric pressure: 860mbar to 1060mbar.

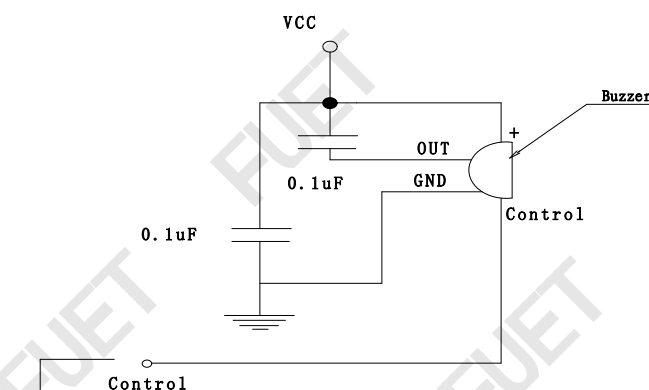
3-2. Standard Test Fixture

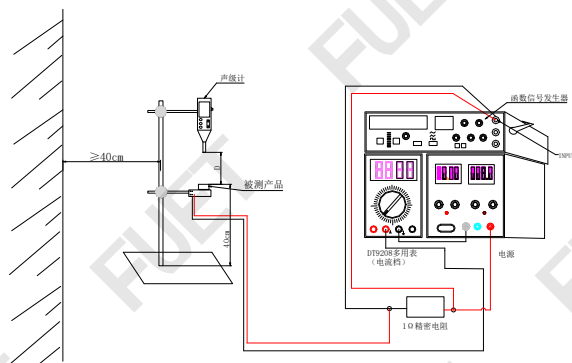
1.rated Voltage:3VDC

2.Resonant Frequency: $2700\pm 100\text{Hz}$

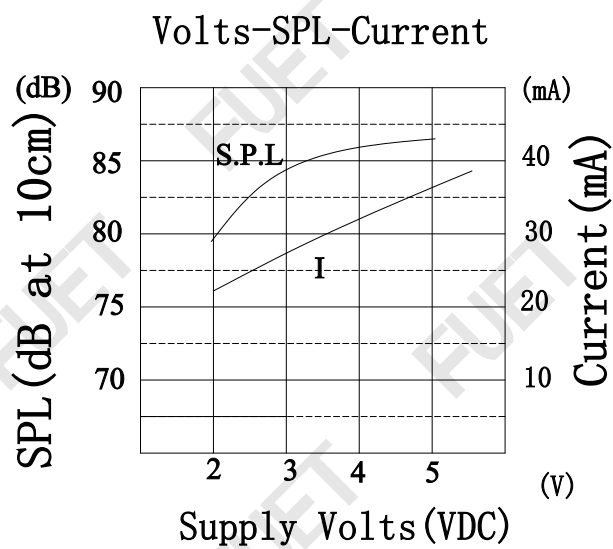
3 Application and aging test circuit (应用及老化测试电路)

4.Static electricity prevention is required for testing and use

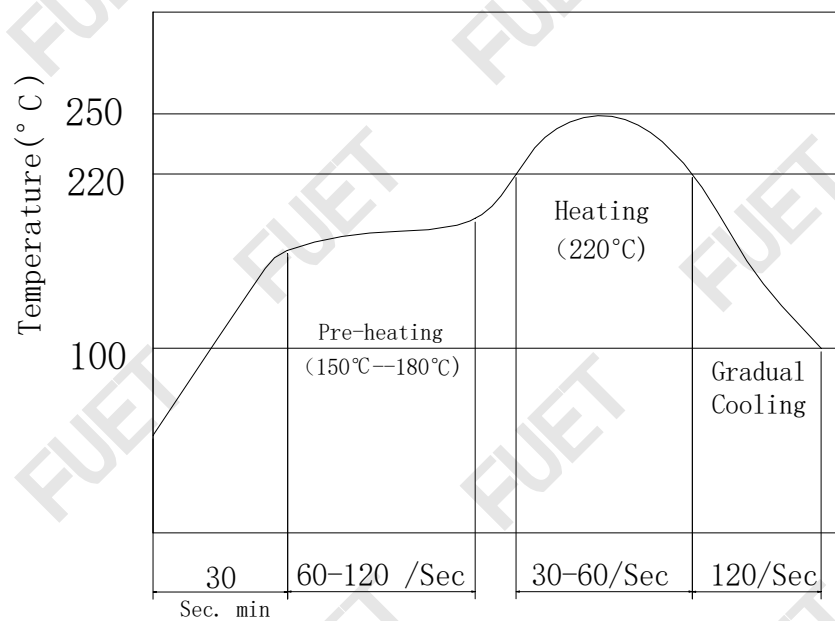




4. VOLTAGE / CURRENT / SOUND PRESSURE CHARACTERISTICS



5. REFLOW SOLDERING CURVE



6. RELIABILITY TEST 可靠性测试

NO.	ITEM	TEST CONDITION AND REQUIREMENT
1	High Temperature Test (Storage)	Storage in $+85^{\circ}\text{C}\pm 2^{\circ}\text{C}$ test box for 96 hours, then expose to the room temperature for 2 hours without applying power.
2	Low Temperature Test (Storage)	Storage in $-40^{\circ}\text{C}\pm 2^{\circ}\text{C}$ test box for 96 hours, then expose to the room temperature for 2 hours without applying power.
3	Humidity Test	Storage in $+40^{\circ}\text{C}\pm 2^{\circ}\text{C}$ 90-95%RH test box for 96 hours, then expose to the room temperature for 2 hours without applying power.
4	Temperature Cycle Test	Make this test for 5 cycles without applying power, then expose to the room temperature for 2 hours.
5	Drop Test	Free drop a unit from the height 100cm to the surface of 10mm thick board, three directions(X, Y, Z).
6	Vibration Test	Amplitude: 1.5mm Time : 1min/axis Make this test for the directions of X, Y, Z for 2 hours each (total 6 hours).
7	Solderability Test	Soldering temp.: $260\pm 5^{\circ}\text{C}$ Heat applying time: $3\pm 0.5\text{sec}$.

TEST CONDITION.

Standard Test Condition	:	a) Temperature : $+5\sim +40^{\circ}\text{C}$	b) Humidity : 45-85%	c) Pressure : 860-1060mbar
一般测试条件	:	a) 温度 : $+5\sim +40^{\circ}\text{C}$	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

7. PACKING STANDARD 包装

