



ROHS

SPECIFICATION OF PRODUCT

承认书

CUSTOMER: _____

DESCRIPTION: Piezo Buzzer

FUSHENG P/N: FSR-1255

CUSTOMER P/N: _____

DATE: 2020-8-28

CUSTOMER	APPROVER	CHECKER
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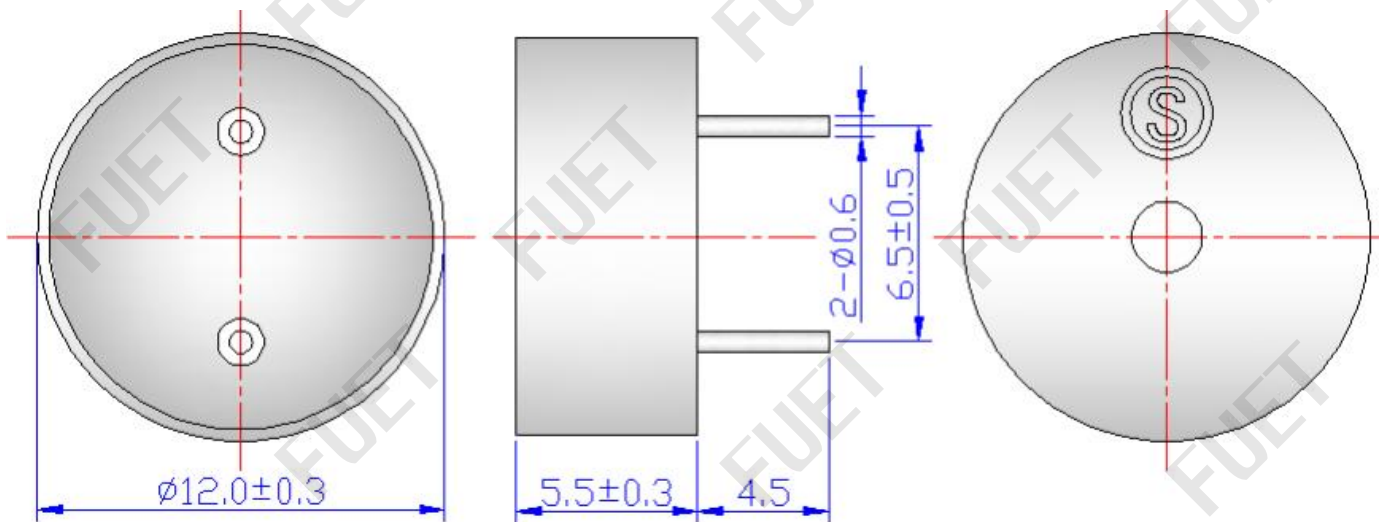
网址: www.tzfsdz.com



1.SPECIFICATION 规格

No.	Item	Unit	Specification	Condition
1	Oscillation Frequency	Hz	4000±500	square wave
2	Operating Voltage	Vp-p	1 ~ 30	
3	Rated Voltage	Vp-p	5	
4	Current Consumption	mA	MAX. 3	at Rated Voltage
5	Sound Pressure Level	dB	MIN. 85	at 10cm at Rated Voltage
6	Electrostatic Capacity	nF	12±30%	at 1000Hz
7	Operating Temperature	°C	-40 ~ +80	
8	Storage Temperature	°C	-40 ~ +85	
9	Dimension	mm	12 x H 5.5	See appearance drawing
10	Weight (MAX)	gram	0.6	
11	Housing Material		PPO	

2. APPEARANCE DRAWING 尺寸图



Tol : ± 0.3 Unit mm

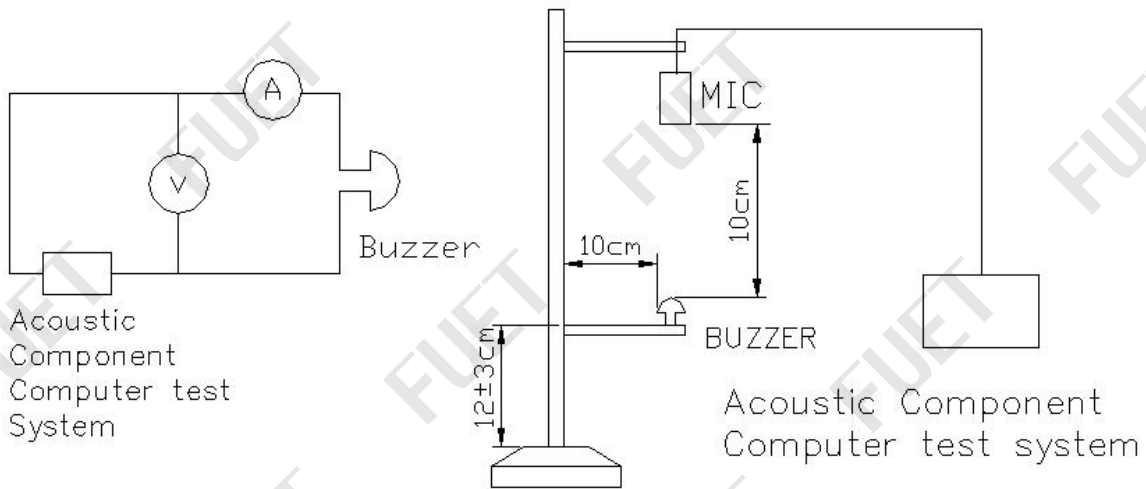
3. TESTING METHOD 测量方式

Standard Measurement conditions

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

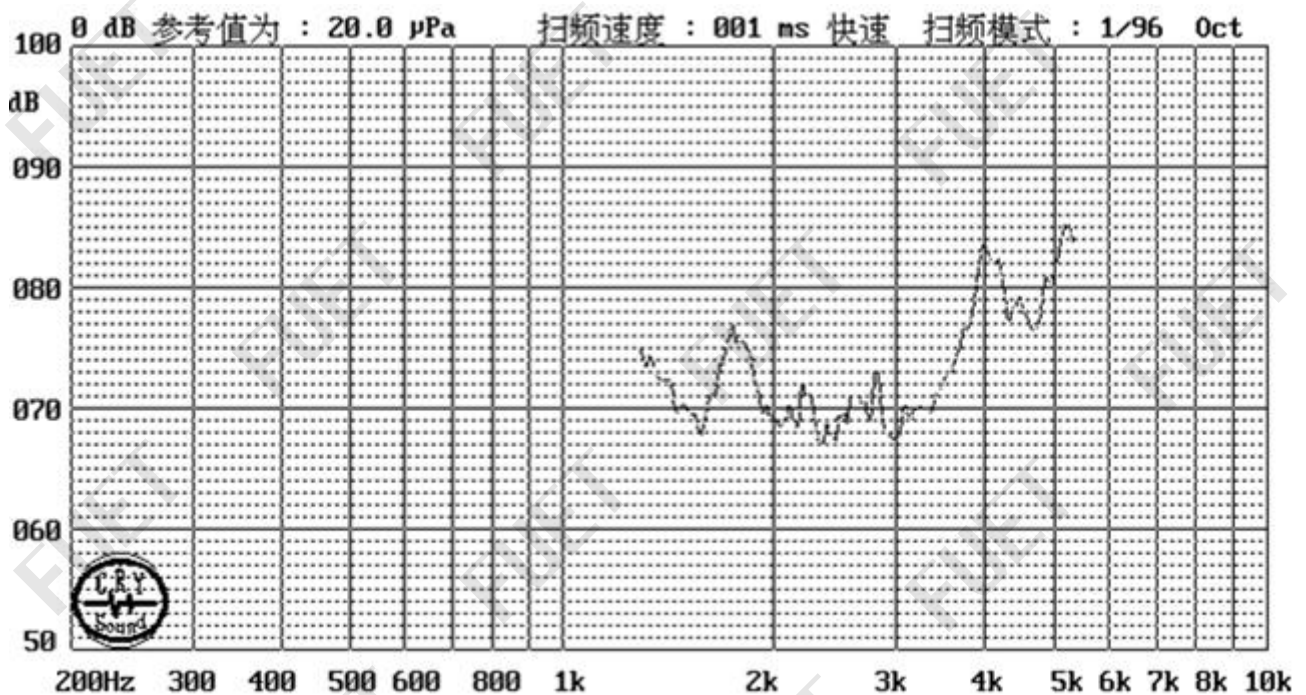
Acoustic Characteristics:

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:

4. Typical Frequency Response Curve



5. RELIABILITY TEST

NO.	ITEM	TEST CONDITION AND REQUIREMENT
1	High Temperature Test (Storage)	After being placed in a chamber with 85 °C for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: 10dB.
2	Low Temperature Test (Storage)	After being Placed in a chamber with -40 °C for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: 10dB.
3	Humidity Test	After being Placed in a chamber with 90-95% R.H. at 40 °C for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: 10dB.
4	Temperature Cycle Test	<p>The part shall be subjected to 5 cycles. One cycle shall be consist of:</p> <p>Allowable variation of SPL after test: 10dB.</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: 10dB.
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: 10dB.
7	Solderability Test	Lead terminals are immersed in rosin for 5 seconds and then immersed in solder bath of +300 °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 ~ +35°C	b) Humidity : 45-85%	c) Pressure : 860-1060mbar
一般测试条件	:	a) 温度 : +5 ~ +35°C	b) 湿度 : 45-85%	c) 气压 : 860-1060mbar
Judgment Test Condition	:	a) Temperature : +25 ± 2°C	b) Humidity : 60-70%	c) Pressure : 860-1060mbar
争议时测试条件	:	a) 温度 : +25 ± 2°C	b) 湿度 : 60-70%	c) 气压 : 860-1060mbar