



SPECIFICATION OF PRODUCT 承认书

CUSTOMER: _____
DESCRIPTION: Piezo Buzzer
FUSHENG P/N: FSD-2910
CUSTOMER P/N: _____
DATE: 2018-8-28

CUSTOMER	APPROVER	CHECKER
	Yunqing Wu	Bing Yan

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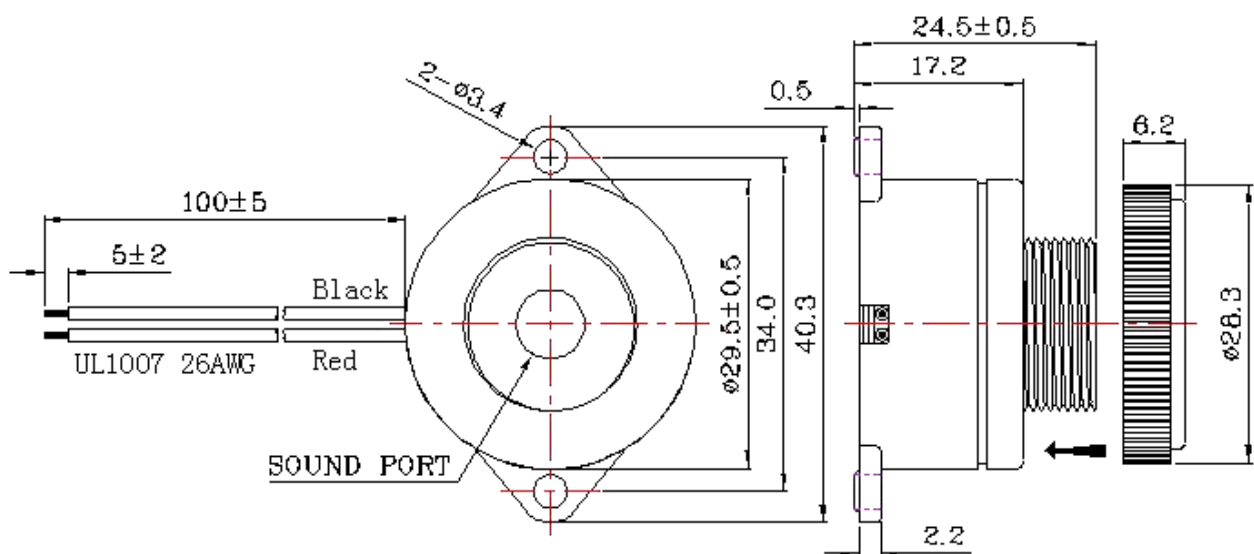
网址: www.tzfsdz.com



1.SPECIFICATION 规格

No.	Item	Unit	Specification	Condition
1	Oscillation Frequency	Hz	3500±500	
2	Operating Voltage	VDC	3 ~ 20	
3	Rated Voltage	VDC	12	
4	Current Consumption	mA	MAX. 12	at Rated Voltage
5	Sound Pressure Level	dB	MIN. 100	at 10cm at Rated Voltage
6	Operating Temperature	°C	-20 ~ +60	
7	Storage Temperature	°C	-30 ~ +70	
8	Dimension	mm	Φ30x H24.5	See appearance drawing
9	Weight (MAX)	gram	8	
10	Housing Material		ABS(Black)	
11	Leading Pin		Wire Type	See appearance drawing
12	Environmental Protection Regulation		RoHS	

2. APPEARANCE DRAWING 尺寸图



Tol: ± 0.5

Unit: mm

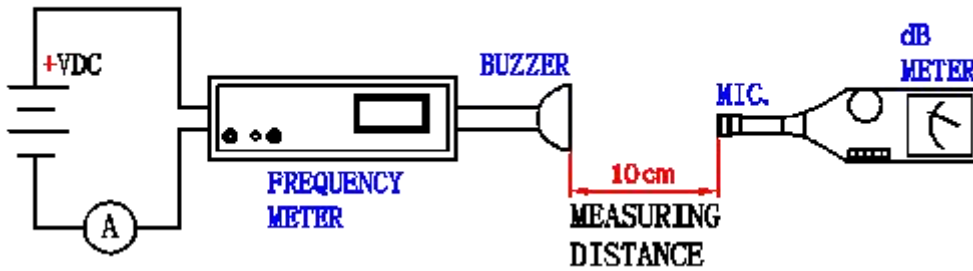
3. TESTING METHOD 测量方式

Standard Measurement conditions

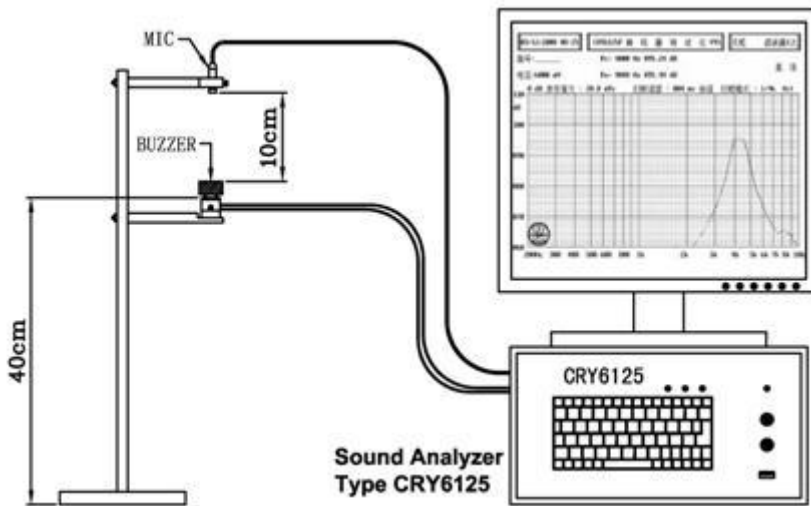
Temperature: $25 \pm 2^\circ\text{C}$ Humidity: 45-65%

Acoustic Characteristics:

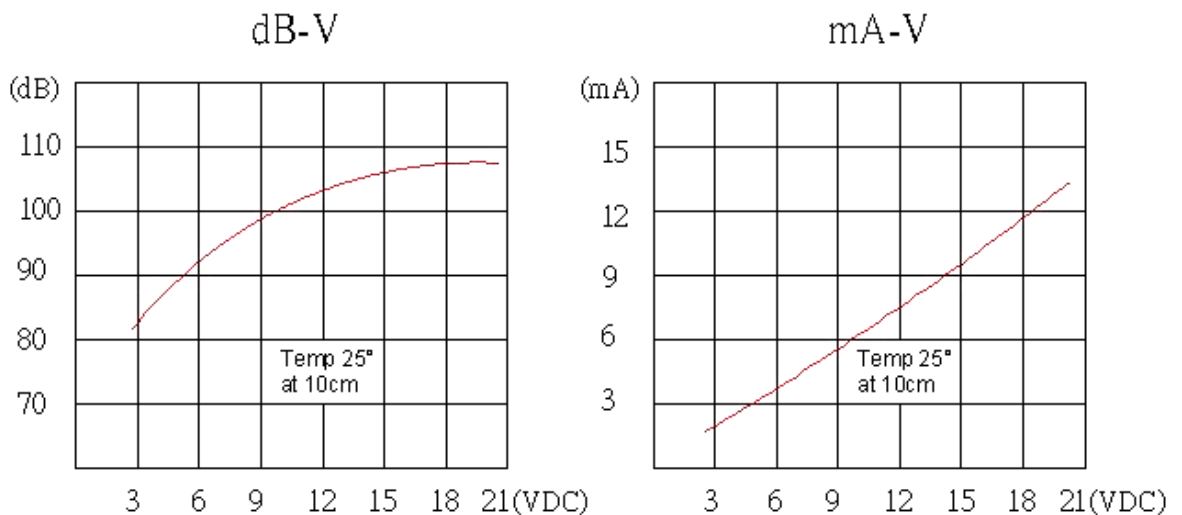
The oscillation frequency, current consumption and sound pressure are measured by the measuring instruments shown below



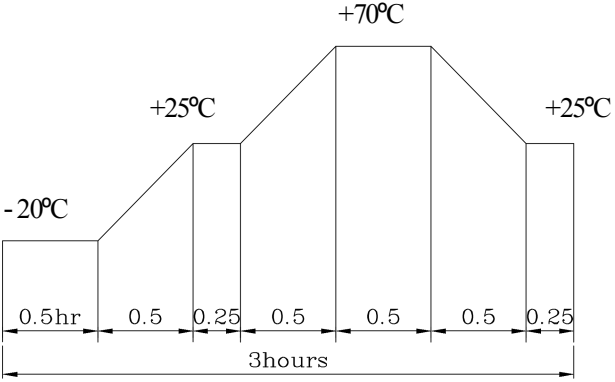
In the measuring test, buzzer is placed as follows:



4. VOLTAGE / CURRENT / SOUND PRESSURE CHARACTERISTICS



5. RELIABILITY TEST 可靠性测试

NO.	ITEM	TEST CONDITION AND REQUIREMENT
1	High Temperature Test (Storage)	After being placed in a chamber with 80 °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 -30 °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	The part shall be subjected to 5 cycles. One cycle shall be consist of:  <p>The diagram shows a temperature cycle profile over 3 hours. It starts at -20°C for 0.5 hours, then ramps up to +25°C in 0.5 hours, holds at +25°C for 0.25 hours, ramps up to +70°C in 0.5 hours, holds at +70°C for 0.5 hours, ramps down to +25°C in 0.5 hours, holds at +25°C for 0.25 hours, and finally ramps down to -20°C in 0.25 hours. The total duration is 3 hours.</p> Allowable variation of SPL after test: 10dB.
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 一般测试条件	:	a) Temperature : +5 ~ +35°C	b) Humidity : 45-85%	c) Pressure : 860-1060mbar
Judgment Test Condition 争议时测试条件	:	a) Temperature : +25 ± 2°C	b) Humidity : 60-70%	c) Pressure : 860-1060mbar

6.PACKING STANDARD

Each minimum package unit of products shall be in a carton box and it shall be clearly marked with Part Number, quantity and outgoing inspection number. There shall be no mechanical damage on products during transportation and/or in storage.

1000pcs Standard Packing:

1. 128pcs in one box(26*21*6cm)
2. 8 boxes packed in one carton(43*32*28cm)

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