Piezo Buzzer Components

Features

- Piezo buzzer
- 6-28VDC
- Panel mount
- Fast Pulse
- High sound output 95dB
- With internal drive circuit
- Diameter 43mm, Height 23mm

RS PRO 95dB, Fast Pulse, Panel Mount Buzzer

RS Stock No.: 724-3181 ,171-0891



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

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Product Description

This is a loud, fast pulse buzzer with a minimum sound output of 95dB. It operates between 6-28VDC. It doesn't need external circuity to produce a sound as it has its own internal circuit and just requires a DC voltage. This is a fairly large buzzer, enabling the high sound output and is panel mount.

APPLICATIONS:

- Access & security
- Medical
- Home appliances
- Toys & games
- Consumer electronics
- Timers
- Load monitors & pressure gauges
- Agricultural system monitoring
- Alarms within automotive applications such as seat belt, tyre pressure, temperature warnings
- Sensing & instrumentation
- Communications equipment
- Remote monitoring systems
- Safety products

Piezo Buzzer Components

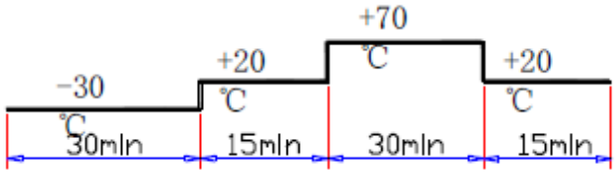
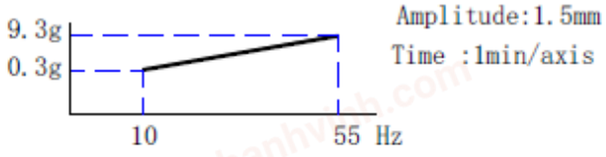
1. ELECTRICAL AND ACOUSTICAL SPECIFICATION

Type	Unit	
Operating Voltage	VDC	6 - 28
* Supply Current (MAX) at 6-28VDC	mA	4mA/6V 8mA/28V
* Sound Pressure Level at 6-28VDC/30cm (Min)	dB	80dB/6V 95dB/28V
* Resonant Frequency	Hz	2800±500
@ Tone Nature		FAST PULSE
Operating Temperature	°C	-20 - +60
Storage Temperature	°C	-30 - +70
Weight	g	43

@ Rated Pulse 3.2±20%Hz at 12V
＊Value Applying at Rated Voltage(DC)

With internal drive circuit

2.ENVIRONMENTAL TEST

	Item	Specifications
2-1	Storage in High temp.	Storage in +70℃±2℃ test box for 96 hours，then expose to the room temperature for 2 hours without applying power.
2-2	Storage in Low temp.	Storage in -30℃±2℃ test box for 96 hours，then expose to the room temperature for 2 hours without applying power.
2-3	Storage in Humidity	Storage in +40℃±2℃ 90-95%RH test box for 96 hours, then expose to the room temperature for 2 hours without applying power.
2-4	Thermal cycle test.	 Make this test for 5 cycles without applying power,then expose to the room temperature for 2 hours.
2-5	Vibration test	 Make this test for the directions of X,Y, Z for 2 hours each (total 6 hours).
2-6	Drop test	Free drop a unit from the height 70cm to the surface of 10mm thick board ,three directions(X,Y,Z).
2-7	Solderability test	Soldering temp.:260±5℃ Heat applying time: 3±0.5sec.

PASS CRITERION :

After these tests, the change of S.P.L shall be within ±5 dB .

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3.MEASURING METHOD(BUZZER MODE)

3-1 .Test Condition

3-1-1.STANDARD

Temperature : 25±3℃

Relative humidity : 60% ~ 70%,

Atmospheric pressure : 860mbar to 1060mbar

3-1-2.JUDGEMENT

Temperature : 15 ~ 35℃

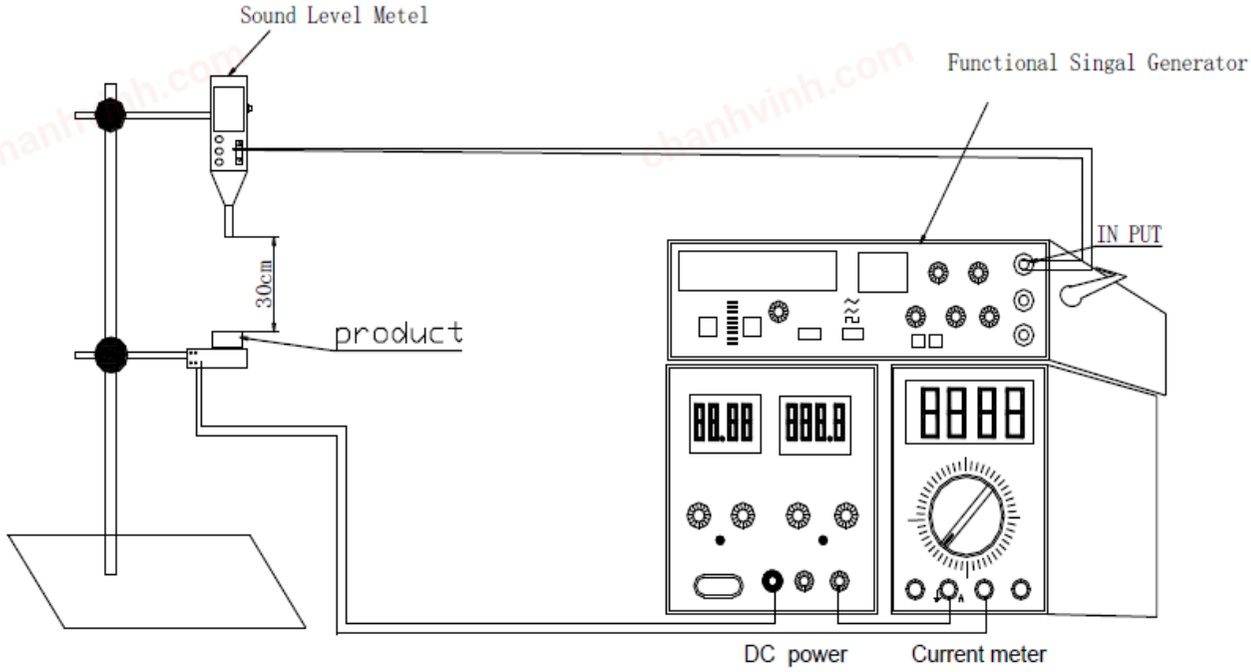
Relative humidity : 45% ~ 85%,

Atmospheric pressure : 860mbar to 1060mbar.

3-2 . Standard Test Fixture

3-2-1.rated Voltage: 6&28VDC

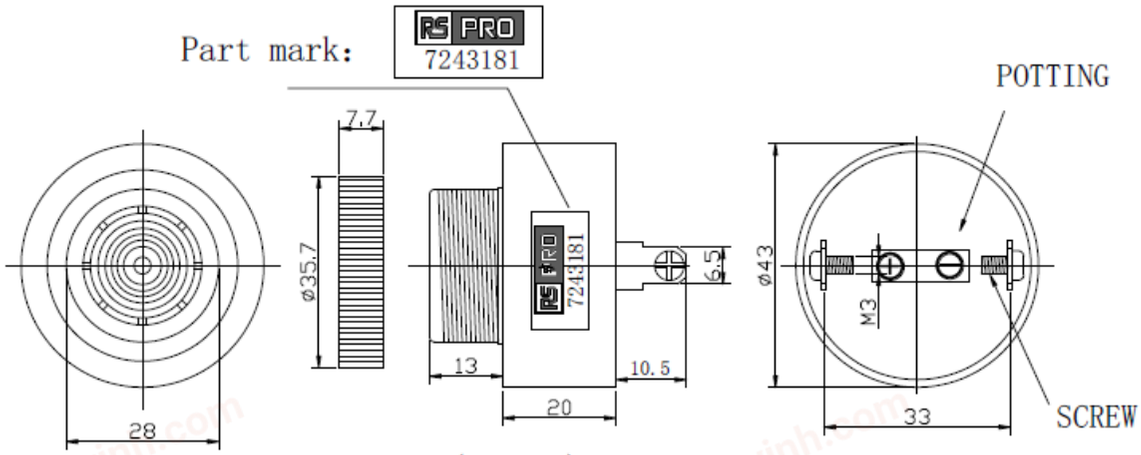
3-2-2.Resonant Frequency: 2900Hz±500



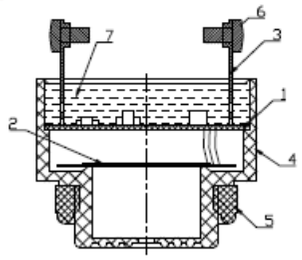
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4.DIMENSIONS

Unless otherwise specified,tolerance:±0.5(unit:mm)



Housing Material:ABS(Black)



1）All parts must be meet to ROHS.

2）Wave solder and wash not allowed.

7	Potting		Epoxy	
6	Screw	1	Fe	
5	Quoit	1	Black ABS	
4	Housing	1	Black ABS	
3	Lead pin	2	Brass	
2	Piezo element	1	Brass	
1	PCB			
Part No.	Part Name	Q'TY	Material	Remark

Similar Products

Stock No.	Brand	Product Name	Attribute 1	Attribute 2	Attribute 3
724-3172	RS PRO	Piezo Buzzer	Operating voltage 4-28VDC	95dB	Continuous tone