

Features

- Piezo buzzer
- 4-28VDC
- Panel mount
- Continuous tone
- High sound output 95dB
- With internal drive circuit
- Diameter 43mm, Height 23mm

RS PRO 95dB, Continuous Tone, Panel Mount Buzzer

RS Stock No.: 724-3172 ,171-0888



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.

Product Description

This is a loud buzzer with a minimum sound output of 95dB. It operates between 4-28VDC. It doesn't need external circuitry 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 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

1. ELECTRICAL AND ACOUSTICAL SPECIFICATION

Type	Unit	
Operating Voltage	VDC	4 - 28
* Supply Current (MAX) at 4-28VDC	mA	4mA/4V 18mA/28V
* Sound Pressure Level at 3-28VDC/30cm (Min)	dB	80dB/4V 95dB/28V
* Resonant Frequency	Hz	2800±500
Tone Nature		SINGLE
Operating Temperature	°C	-20 - +60
Storage Temperature	°C	-30 - +70
Weight	g	43

* Value Applying at Rated Voltage(DC)

Note: With internal drive circuit

2.ENVIRONMENTAL TEST

	Item	Specifications
2-1	Storage in High temp.	Storage in $+70^{\circ}\text{C} \pm 2^{\circ}\text{C}$ test box for 96 hours, then expose to the room temperature for 2 hours without applying power.
2-2	Storage in Low temp.	Storage in $-30^{\circ}\text{C} \pm 2^{\circ}\text{C}$ test box for 96 hours, then expose to the room temperature for 2 hours without applying power.
2-3	Storage in Humidity	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.
2-4	Thermal cycle test.	<p>Make this test for 5 cycles without applying power, then expose to the room temperature for 2 hours.</p>
2-5	Vibration test	<p>Amplitude: 1.5mm Time : 1min/axis</p> <p>Make this test for the directions of X, Y, Z for 2 hours each (total 6 hours)</p>
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.: $260 \pm 5^{\circ}\text{C}$ Heat applying time: $3 \pm 0.5\text{sec}$.
<p>PASS CRITERION :</p> <p>After these tests, the change of S.P.L shall be within $\pm 5\text{ dB}$.</p>		

3.MEASURING METHOD(BUZZER MODE)

3-1 .Test Condition

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

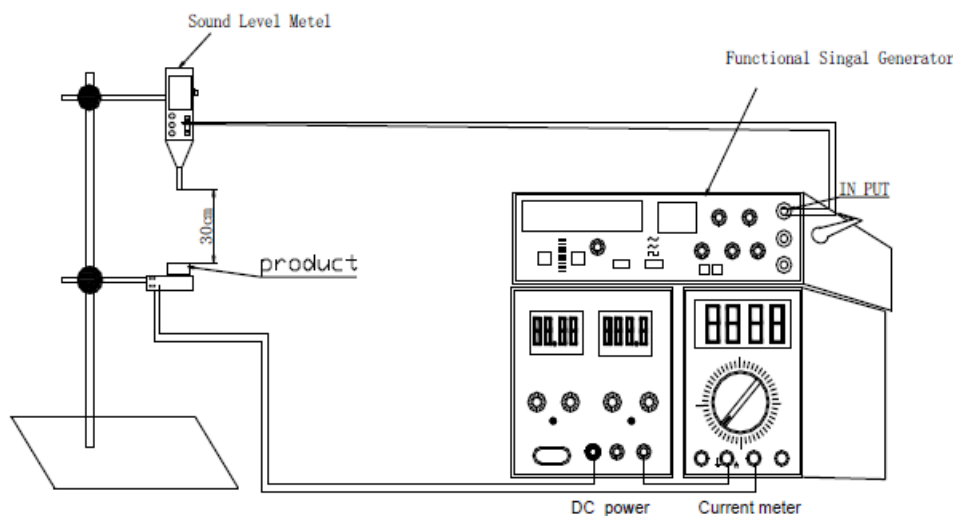
Relative humidity : 45% ~ 85%,

Atmospheric pressure : 860mbar to 1060mbar.

3-2 . Standard Test Fixture

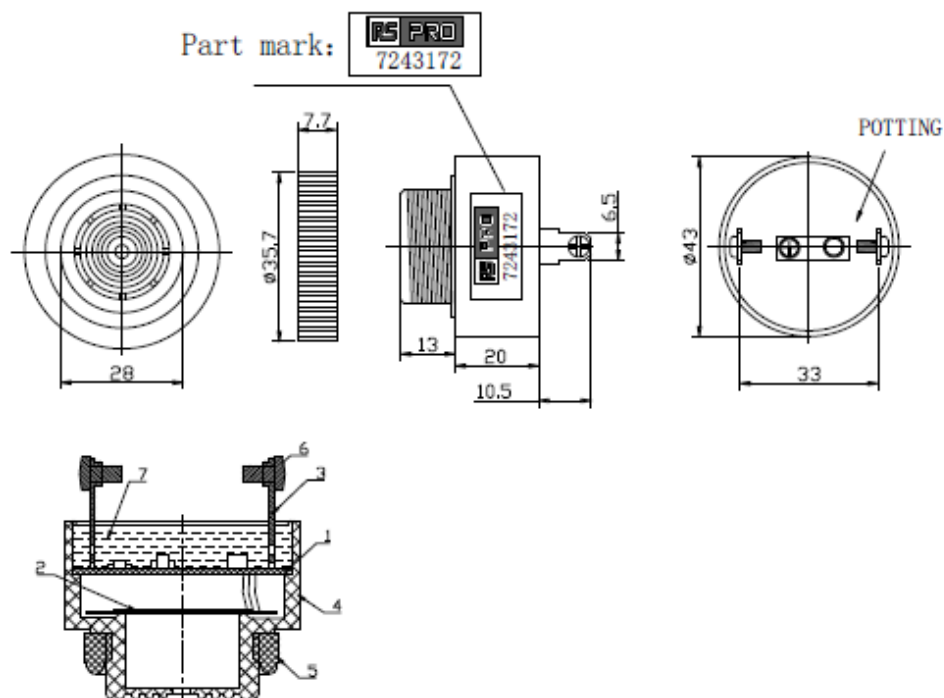
3-2-1.rated Voltage: 4&28VDC

3-2-2.Resonant Frequency: $2800\text{Hz} \pm 500$



4.DIMENSIONS

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



- 1) All parts must 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
724-3181	RS PRO	Piezo Buzzer	Operating voltage 6-28VDC	95dB	Fast pulse