Features

- Siren
- 6-14VDC
- Fitted with leads
- SPL 102dB
- With internal drive circuit
- 42mm x 39mm x 22.8mm

RS PRO Siren Dual Tone, 102dB

RS Stock No.: 1367914

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

Generating a minimum sound output of 102dB this loud siren operates with a dual tone, similar to an ambulance. It is ideal for an application which needs a clear warning. Operating between 6-14VDC it has a rated voltage of 12VDC. It is connected using 120mm leads. It doesn't need external circuity to produce a sound as it has it's own internal circuit and just requires a DC voltage.

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

Electrical Specifications

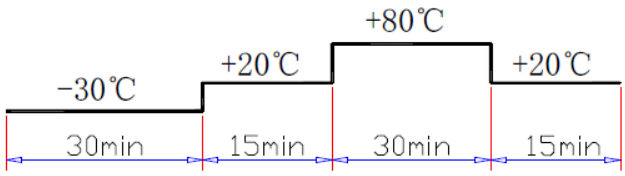
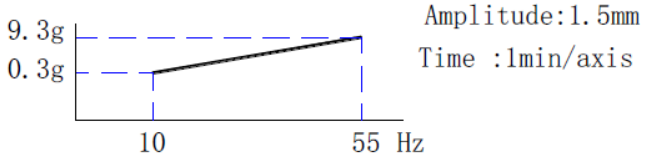
1. ELECTRICAL AND ACOUSTICAL SPECIFICATION

	Item	Unit	Specifications
1-1	Rated Voltage	VDC	12
1-2	Operating Voltage	VDC	6-14
1-3	＊Rated Current（Max）	mA	70(Typical 50)
1-4	＊Min Sound Output at 30cm	dB	102
1-5	＊Tone Nature		Siren tone (Ambulance)
1-6	Operating Frequency	KHz	2~3.5
1-7	Operating Temperature	℃	-10~+60
1-8	Storage Temperature	℃	-40~+80
1-9	Weight	g	27
1-10	Housing Material		ABS (Black)
1-11	Lead Wire		UL1007 AWG26(Red & Black)

＊Value Applying at Rated Voltage(DC)

Note: With internal drive circuit

2.ENVIRONMENTAL TEST

	Item	Specifications
2-1	Storage in High temp.	Storage in +80℃±2℃ test box for 2 hours, then expose to the room temperature for 2 hours without applying power.
2-2	Storage in Lower temp.	Storage in -40℃±2℃ test box for 2 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 2 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 30cm to the surface of 10mm thick board, three directions(X,Y,Z).

PASS CRITERION :

After these tests , the change of S.P.L shall be within ±10 dB .

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%,

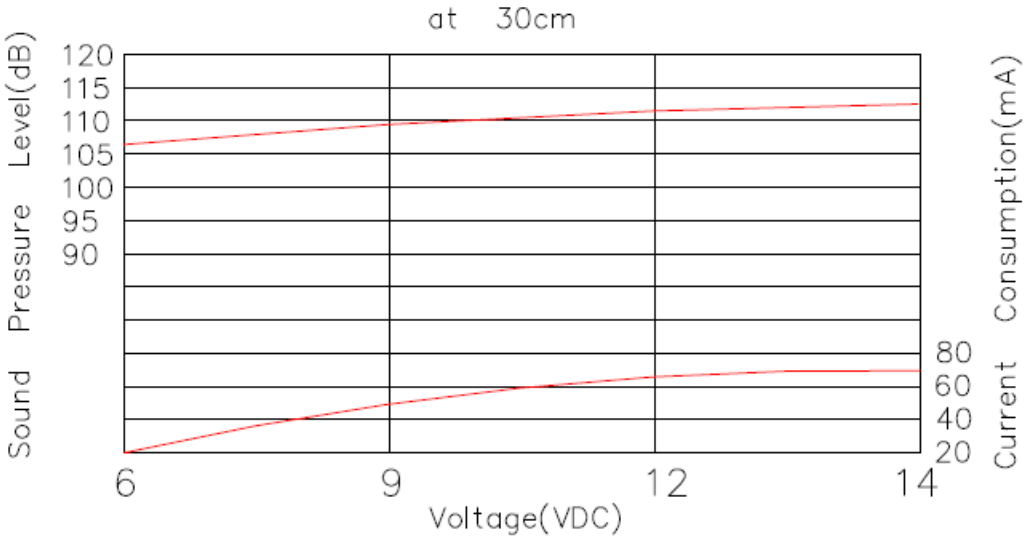
Atmospheric pressure: 860mbar to 1060mbar.

3-2. Standard Test Fixture

1.rated Voltage: 12V

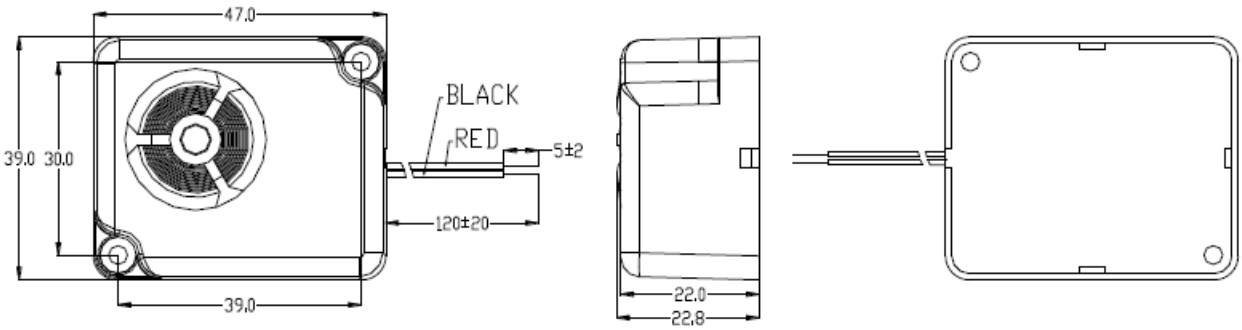
2.Resonant Frequency: 2-3.5kHz

3-3. Voltage:Sound Pressure Level/Voltage:Current Consumption Characteristics



5.DIMENSIONS

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



1） All parts must be meet to ROHS.

5	Wire	4	UL1007 AWG26	
4	PCB	1	FR4 Epoxy	
3	Pizeo Buzzer	1	Brass	
2	Fixed Hole	2	ABS/Black	
1	Housing/Colour	1	ABS/Black	
Part No.	Part Name	Q'TY	Material	Remark