Features

- Siren
- Operating voltage 6-15VDC
- Rated voltage 12VDC
- Fitted with leads
- SPL 110dB
- Warble & Hi-Lo tone
- With internal drive circuit
- Diameter: 54mm Height: 47mm

RS PRO Siren Dual Tone, 6-15VDC, 110dB

RS Stock No.: 0737632

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 110dB, this siren generates a warble and Hi-Lo tone. It is ideal for an application which needs a warning. Operating between 6-15VDC it has a rated voltage of 12VDC. It is connected using 450mm leads and has fixing holes to ensure it is mounted securely. 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
- Timers
- Agricultural system monitoring
- Sensing & instrumentation
- Communications equipment
- Remote monitoring systems
- Safety products

Electrical Specifications

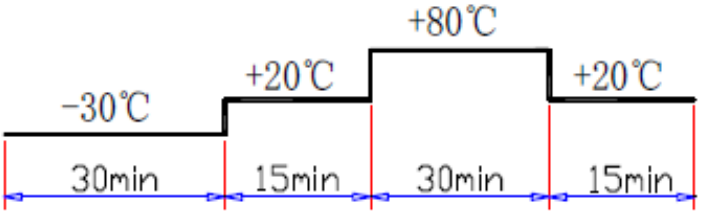
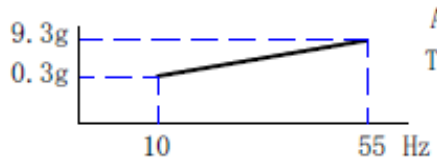
1. ELECTRICAL AND ACOUSTICAL SPECIFICATION

TYPE	**Siren**
Operation Voltage	12V DC (Nominal)，6V DC (Min) – 15V DC (Max.) With reverse polarity protection
Operation Current (at 12V DC)	130mA (Nominal.)
S.P.L. (at 30 cm)	110 ± 5dB (at 12V DC)
Operation Frequency	1.5 KHz - 3.5 KHz
Tone Nature	Warble&Hi-Lo
Operation Temperature	-20℃ Min. to + 70℃ Max. (10 minutes)
Storage Temperature	-30℃ Min. to + 80℃ Max.
Housing Material (A.B.S.)	ABS (Black)
Length of Cord (24AWG)	45 ± 2 Cm. (UL2468 AWG24)
Weight	62g

＊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 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 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 ±5 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℃

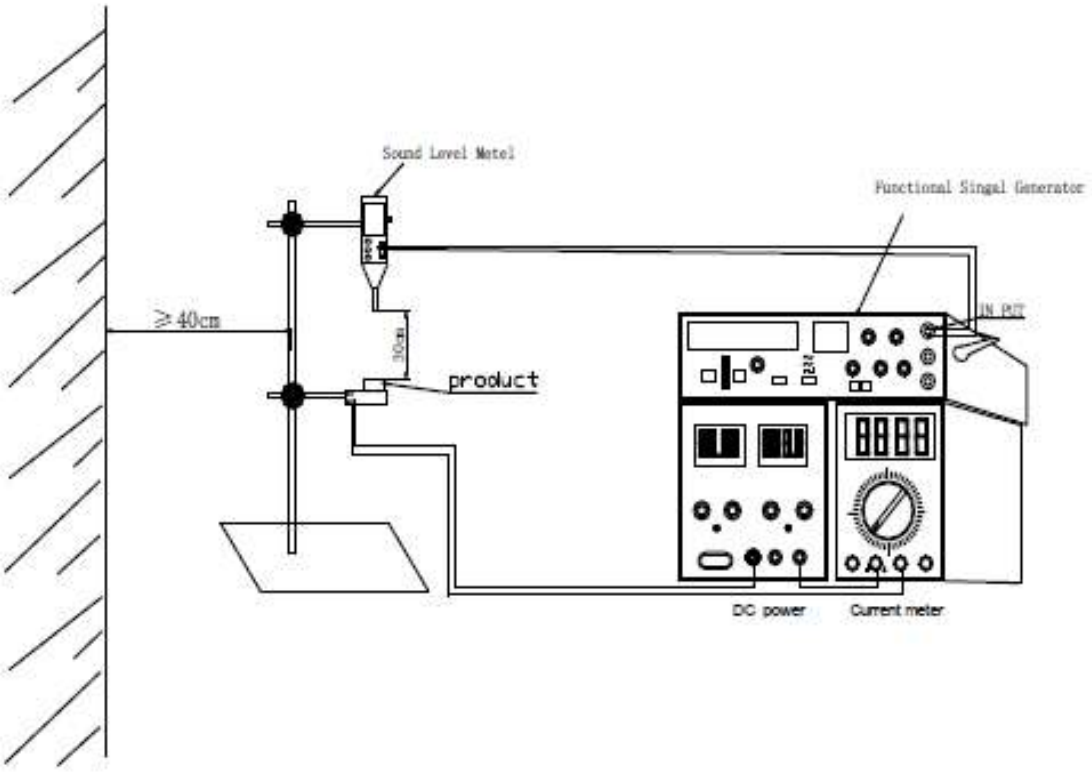
Relative humidity : 45% ~ 85%,

Atmospheric pressure : 860mbar to 1060mbar.

3-2 . Standard Test Fixture

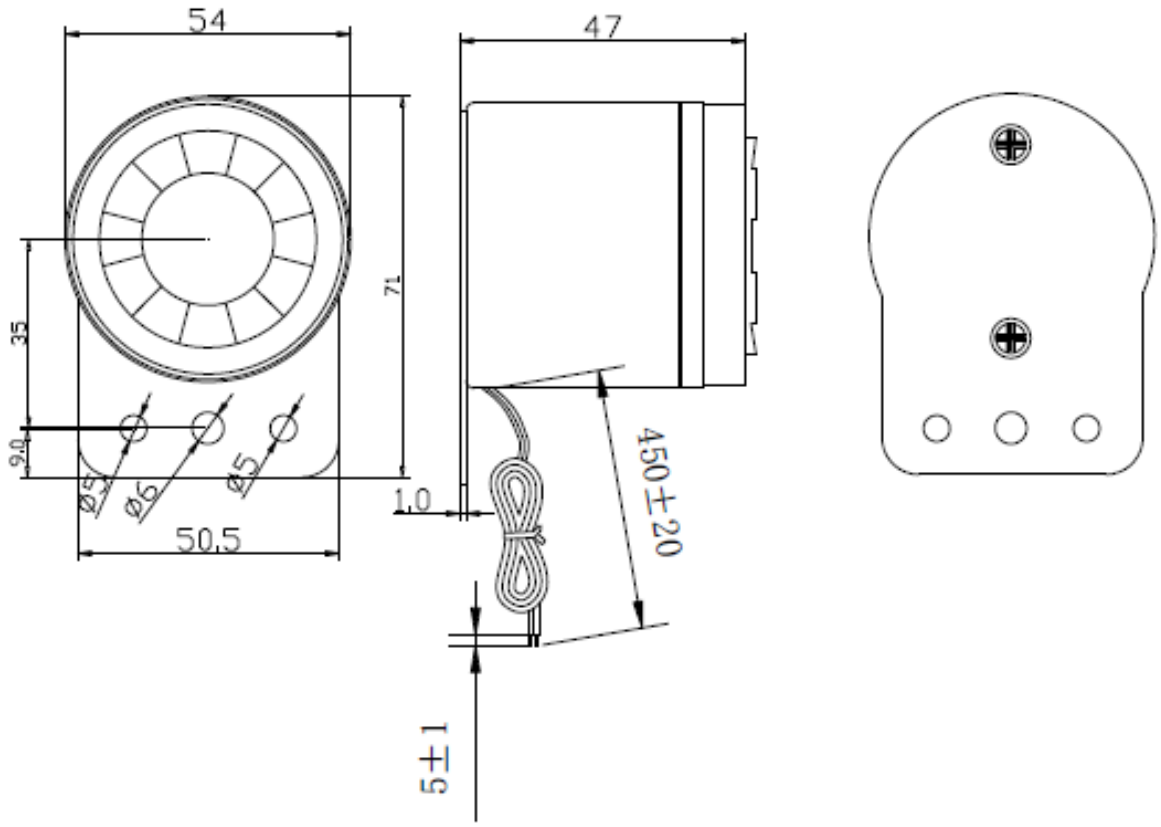
1.Rated Voltage: 12VDC

2.Resonant Frequency: 1.5-3.5KHz



5.DIMENSIONS

Unless otherwise specified, tolerance:±3(unit: mm)



1）All parts must be meet to ROHS.
2）Wave solder and wash not allowed.