

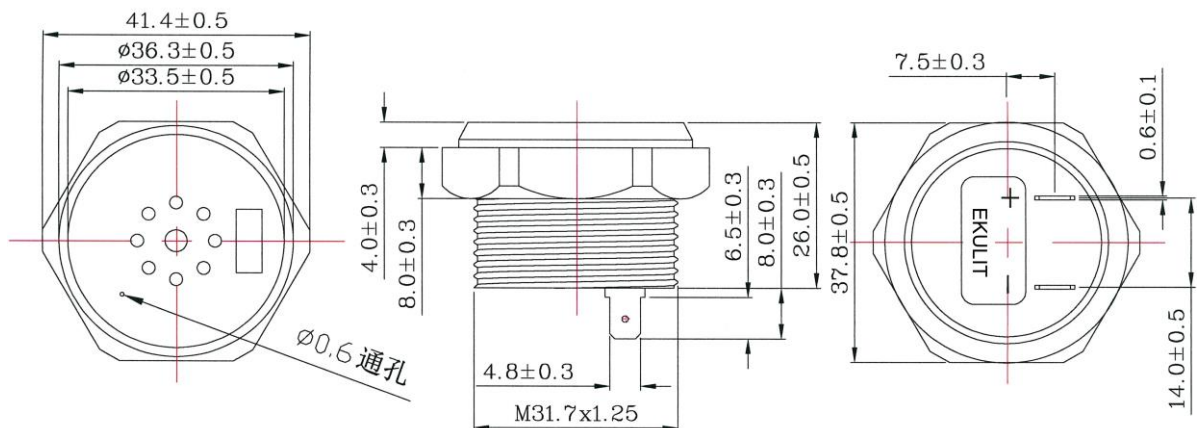
**Sirene RMP-38SP-DT** Art.-Nr.: 183020

**Specification :**

TYPE	UNIT	RMP-38SP-DT
Oscillation Frequency	kHz	3.0±0.5
Operating Voltage	VDC	5~28
Rated Voltage	VDC	12
Sound Pressure Level	dB	Min. 85 at 100cm
Current Consumption	mA	Max. 18 at Rated Voltage
Tone		Constant
Weight	g	30
Housing Material		ABS (Black)
Operating Temperature	°C	-30~+85
Storage Temperature	°C	-30~+80

**Dimensions:**

(Unit: mm)



**Sirene RMP-38SP-DT Art.-Nr.: 183020**

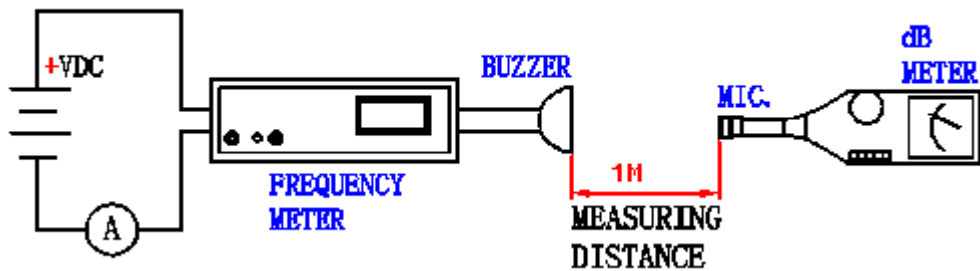
**Testing Method :**

Standard Measurement conditions

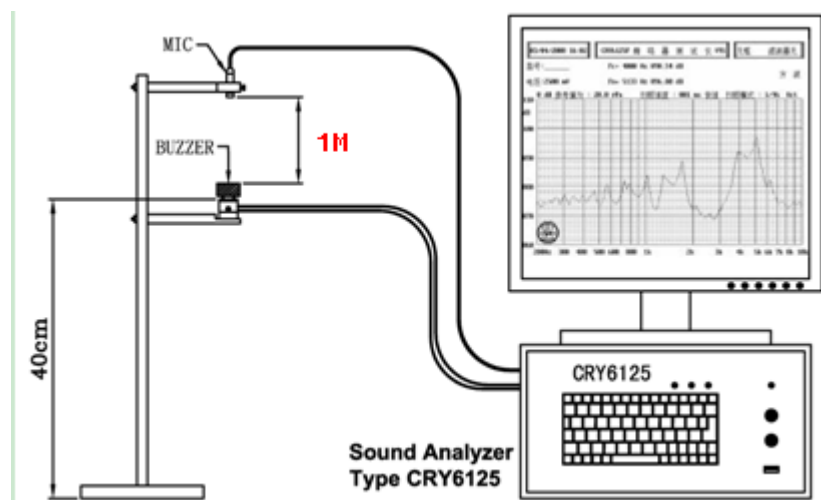
Temperature:  $25 \pm 2^\circ\text{C}$  Humidity: 45-65%

Acoustic Characteristics:

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

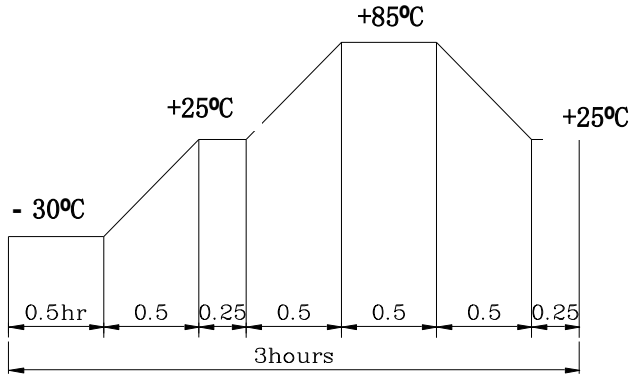


In the measuring test, buzzer is placed as follows:



**Sirene RMP-38SP-DT Art.-Nr.: 183020**

**Reliability Test :**

NO.	ITEM	TEST CONDITION AND REQUIREMENT
1	High Temperature Test (Storage)	After being placed in a chamber with 85 2°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 2°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 2°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	<p>The part shall be subjected to 5 cycles. One cycle shall be consist of:</p>  <p>The diagram shows a temperature cycle profile over 3 hours. It starts at -30°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 +85°C in 0.5 hours, holds at +85°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 -30°C in 0.5 hours. The total duration is 3 hours.</p> <p>Allowable variation of SPL after test:   10dB.</p>
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 5°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.

**Sirene RMP-38SP-DT** Art.-Nr.: 183020

---

### VOLTAGE / CURRENT / SOUND PRESSURE CHARACTERISTICS

