



**Round Buzzer**  
**Ø13.0 × 2.5 mm**  
**With wire**

**CC13P025W15-4800**

**Revision**

<b>Date</b>	<b>Version</b>	<b>Status</b>	<b>Changes</b>	<b>Approver</b>
2018/12/26	V0.1	Draft	First release	AX

## Specifications

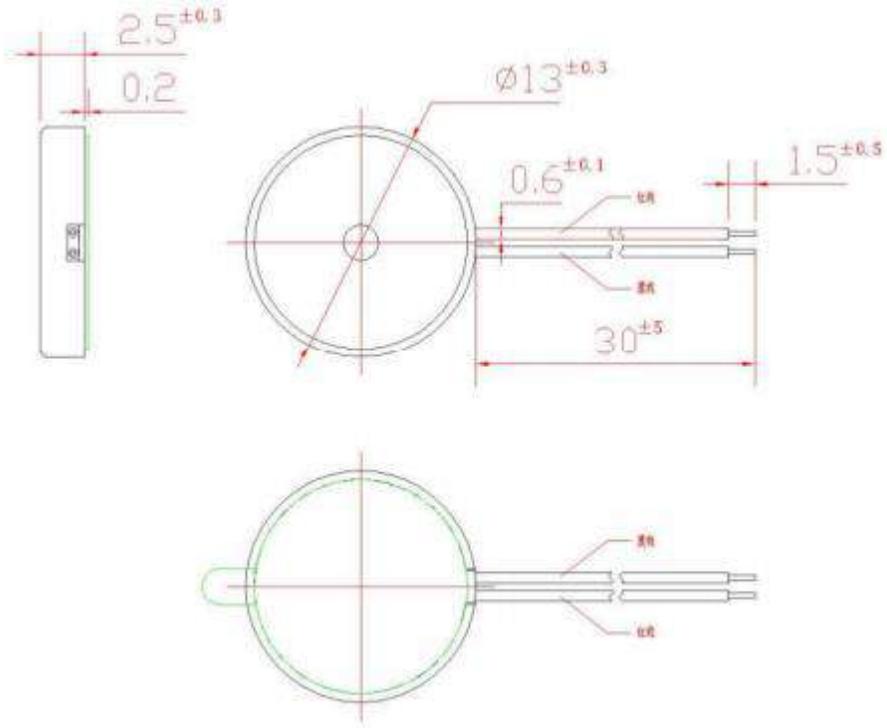
Parameter	Condition	Specification	Units
Oscillation Frequency		4.8	KHz
Operating Voltage		3~25	V <sub>p-p</sub>
Rated Voltage		9	V <sub>p-p</sub>
Current Consumption	at Rated Voltage	MAX.6	mA
Sound Pressure Level	at 10cm at Rated Voltage	MIN.80	dB
Capacitance	at120Hz	15000±30%	PF
Tone Nature		Constant	
Operating Temperature		-20~ +70	°C
Storage Temperature		-30 ~ +80	°C
Weight (MAX)		0.75	gram
Housing Material		PPO( Black )	
Environmental Protection Regulation		RoHS	

Notes: All specifications measured at 5~35°C, humidity at 45~85%, under 86~106 kPa pressure, unless otherwise noted.

# MECHANICAL DRAWING

Units: mm

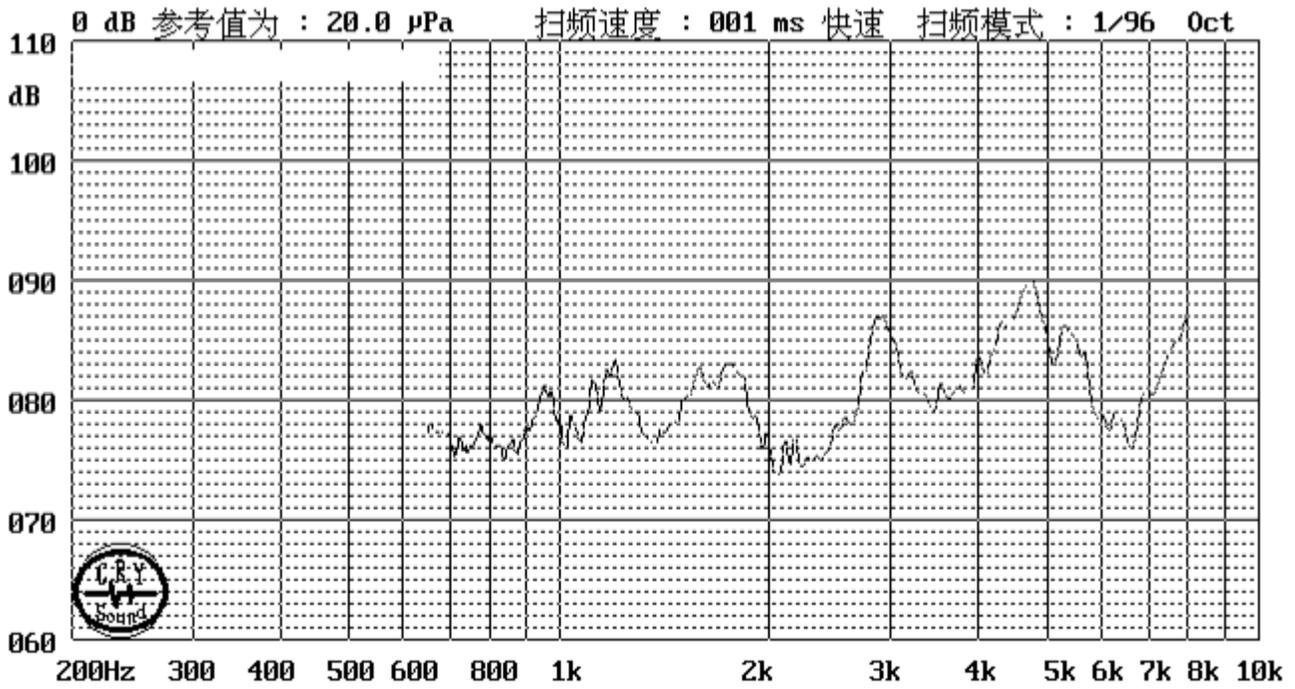
Tolerance:  $\pm 0.5$ mm



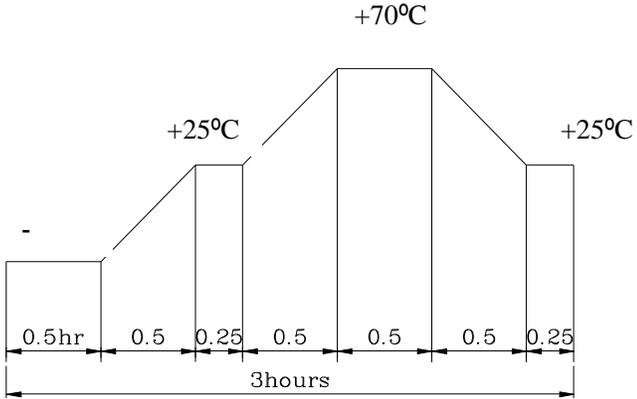
# RESPONSE CURVES

## Frequency Response Curve

Test condition: 0.1M,



**RELIABILITY TEST**

1	High Temperature Test	After being placed in a chamber with 70 °C for 96 hours and then being placed in normal condition for 2 hours.
2	Low Temperature Test	96 hours at -40°C±3°C After being Placed in a chamber with -30 °C for 96 hours and then
3	Humidity Test	After being Placed in a chamber with 90-95% R.H. at 40 °C for 96 hours and then being placed in normal condition for 2 hours.
4	Temp./Humidity Cycle	<p>The part shall be subjected to 5 cycles. One cycle shall be consist of :</p>  <p>Allowable variation of SPL after test: 10dB.</p>
5	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 .
6	Drop Test	Drop the speaker contained in normal box onto the surface of 40mm thick board 10 times from the height of 75cm
7	Termination Strength	The force of 9.8N(1.0kg) is applied to each terminal in axial direction for 10 seconds. No visible damage and cutting off.
8	Solderability Test	Lead terminals are immersed in rosin for 5 seconds and then immersed in solder bath of +300 °C for 3 1 seconds . 90% min. lead terminals shall be wet with solder (Except the edge of terminals).

Standard Test Condition: a) Temperature : +5 ~ +35°C b) Humidity : 45-85% c) Pressure : 860-1060mbar

一般测试条件: a) 温度 : +5 ~ +35°C b) 湿度 : 45-85% c) 气压 : 860-1060mbar

Judgment Test Condition: a) Temperature : +25 ± 2°C b) Humidity : 60-70% c) Pressure : 860-1060mbar

争议时测试条件 : a) 温度 : +25 ± 2°C b) 湿度 : 60-70% c) 气压 : 860-1060mbar

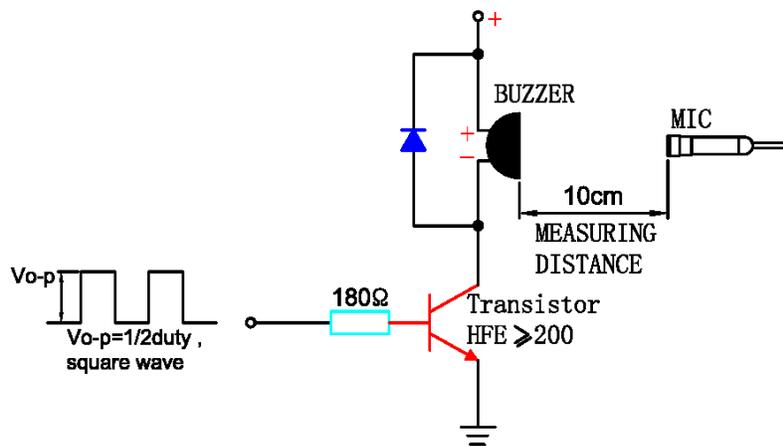
## MEASURING METHOD

### 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:

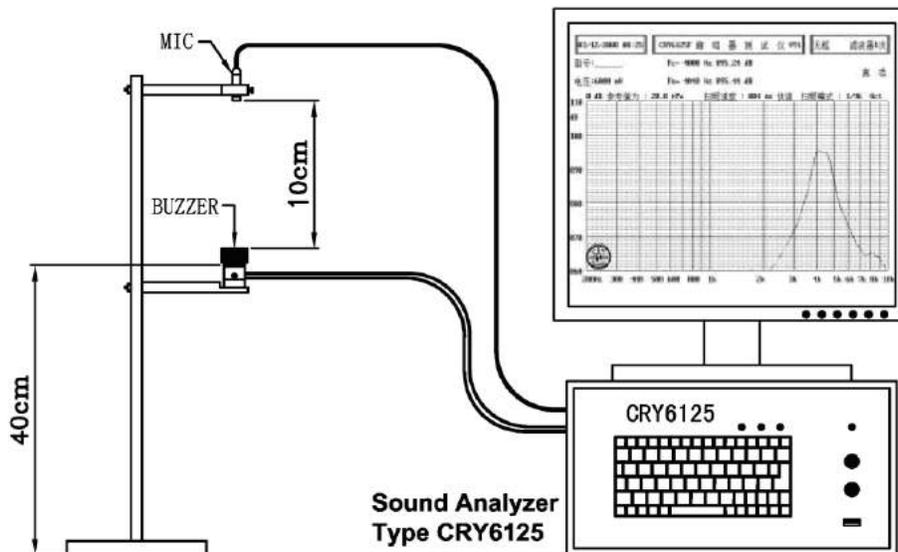
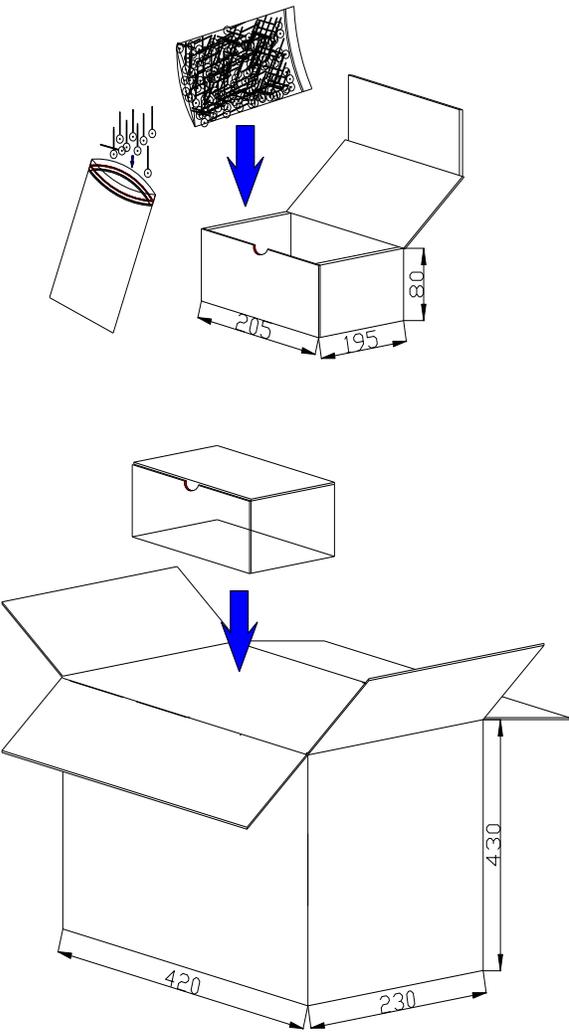


Fig. 1 Block Diagram for Measurement Method

PACKAGING



	包装名称	包装数量(pcs)	包装尺寸(mm)
1	一批袋	200	150×100
2	一小盒	1000	205×195×80
3	箱子	10000	420×230×430