Specification

Model name **HYD-2312**

PROPRIETARY
Huayu Electronic co.,Ltd.

CONFIDENTIAL
Huayu Electronic co.,Ltd.

Version #	**Spec V1.1**
Date	**2022/03/01**
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Components Operating Div.
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This specifications apply the HYD-2312 buzzer.

2. General specification

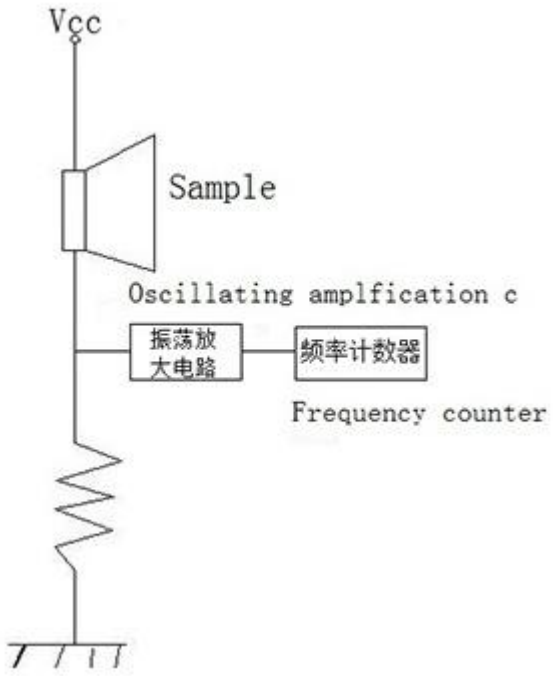
Item		Spec	Condition
1	Rated voltage	12VDC	
2	Operation voltage	3～24VDC	
3	Sound Pressure Level=SPL	Min 85dB	Standard State,Standard Drive Circuit. Rated voltage,Distance at 0.1m
4	Average consumption current	Max 10mA	
5	Oscillation frequency	3300±500Hz	
6	Range of operation temperature	-20～+70℃	
7	Range of preservation temperature	-30～+80℃	
8	Externals size	Φ23*12	Refer to the attached drawing
9	Mass	14g	

Standard State:Ordinary Temp(15～35℃),Humidity(25～85%RH),Air pressure(860～1060hPa)

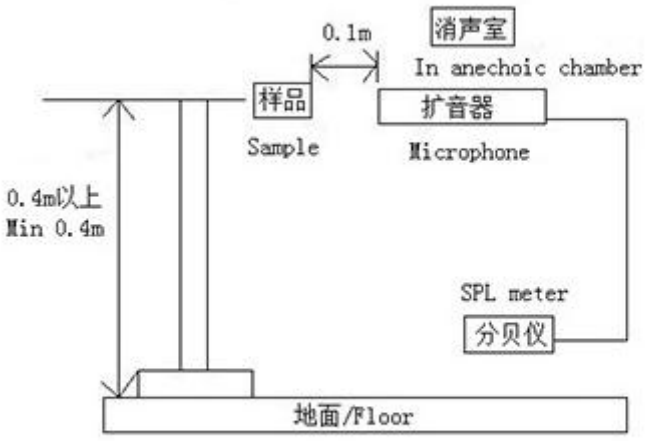
In case of doubtful judgment,the test is re－performed under Basic State.

☆ Basic State: Temp.(20±2℃),Humidity(60～70%RH),Air pressure(860～1060hPa)

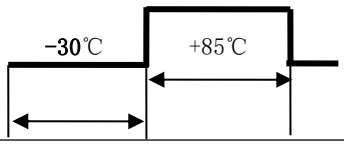
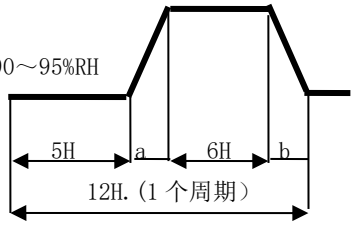
Standard Drive Circuit



Standard Test Fixture



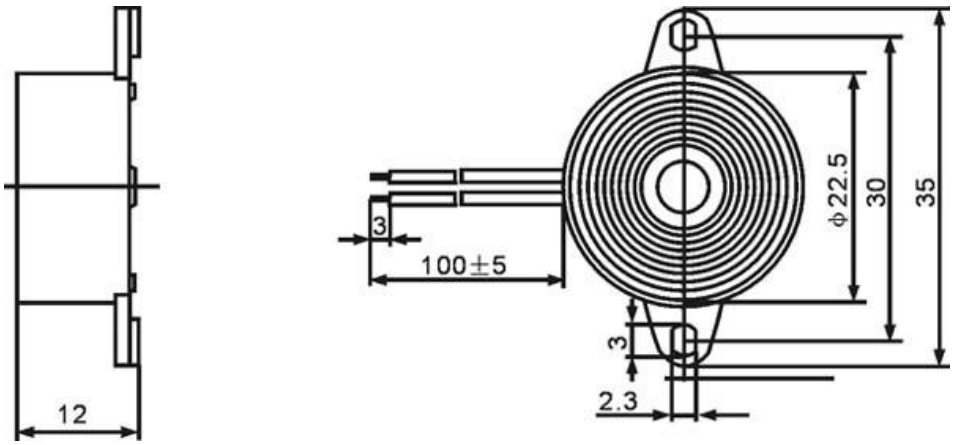
3. Reliability specification

Item	Test condition	Criteria	
High temperature Preservation	Exposure to +85℃ for 96 hrs.	After the test the part shall meet specificati -ons without any degra -dation in appearance And performance except SPL.SPL shall be 80 dB More.(at 3300±500 Hz)	GB/T 2423.2
Low temperature preservation	Exposure to -30℃ for 96 hrs.		GB/T 2423.1
Thermal Shock	 10 cycles		GB/T 2423.4
Thermal,Humidity Shock	65℃、90～95%RH a、b=0.5H 25℃、90～95%RH  10 cycles		
Ordinary Temp.Life	Driving the sounder at 12VDC for 1000hrs in the room temperature(25℃±10℃)		
High Temp.Life	Driving the sounder at 12VDC for 500hrs in the low temperature(+80℃)		
Low Temp.Life	Driving the sounder at 12VDC for 500hrs in the low temperature(-20℃)		

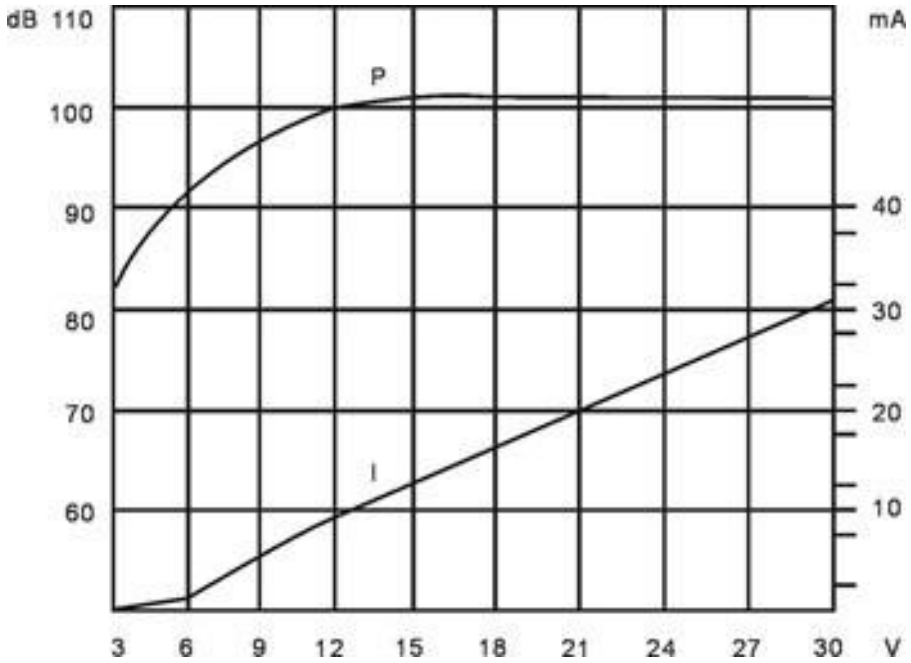
4.Dimension

（UNT：mm）

Tolerance：±0.5mm Except Specified



5. Frequency Response：



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