

Specification

Model name

HYD-4216**PROPRIETARY**
Huayu Electronic co.,Ltd.**CONFIDENTIAL**
Huayu Electronic co.,Ltd.

Version #	Spec V1.1
Date	2022/03/01
Prepared	Yi Shen Acoustic specialist,R&D Dept.
Approved	Qian Wanjin Executive Manager,R&D Dept.

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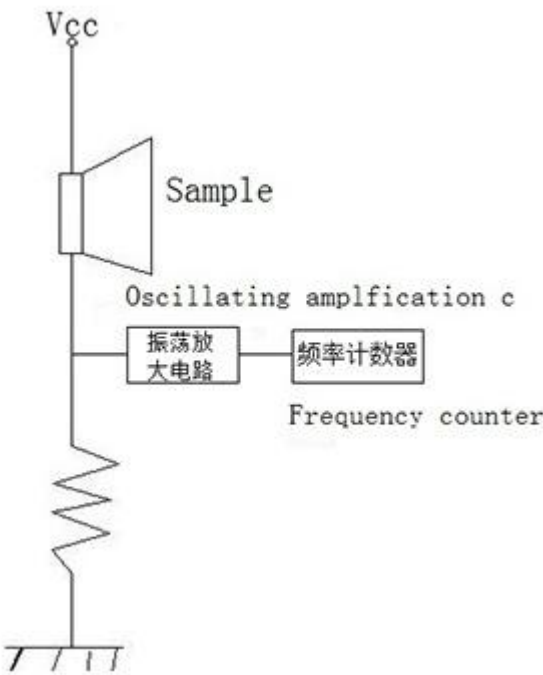
This specifications apply the HYD-4216 buzzer.

2. General specification

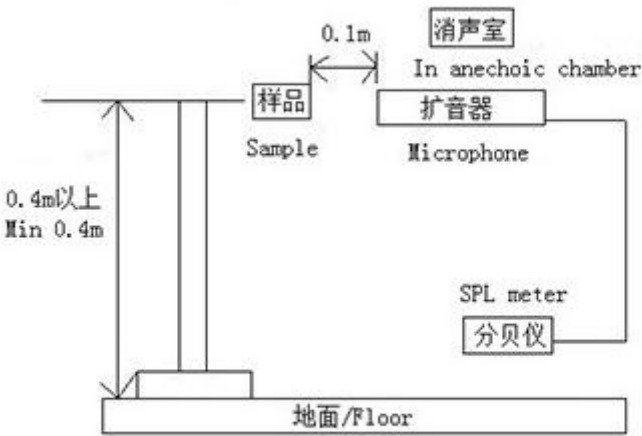
Item		Spec	Condition
1	Rated voltage	12VDC	
2	Operation voltage	3~24VDC	
3	Sound Pressure Level=SPL	Min 95dB	Standard State,Standard Drive Circuit. Rated voltage,Distance at 0.1m
4	Average consumption current	Max 12mA	
5	Oscillation frequency	2700±500Hz	
6	Range of operation temperature	-20~+70°C	
7	Range of preservation temperature	-30~+80°C	
8	Externals size	ø41.8*16	Refer to the attached drawing
9	Mass	11g	

Standard State:Ordinary Temp(15~35°C),Humidity(25~85%RH),Air pressure(860~1060hPa)
In case of doubtful judgment,the test is re—performed under Basic State.

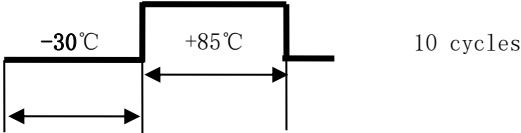
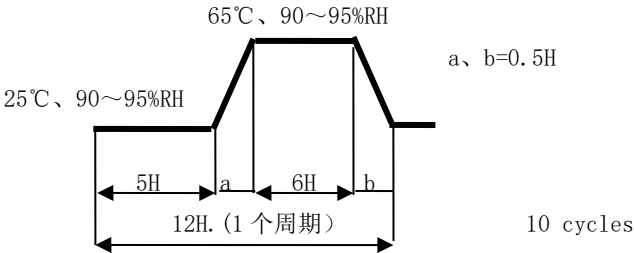
<Standard Drive Circuit>



<Standard Test Fixture>



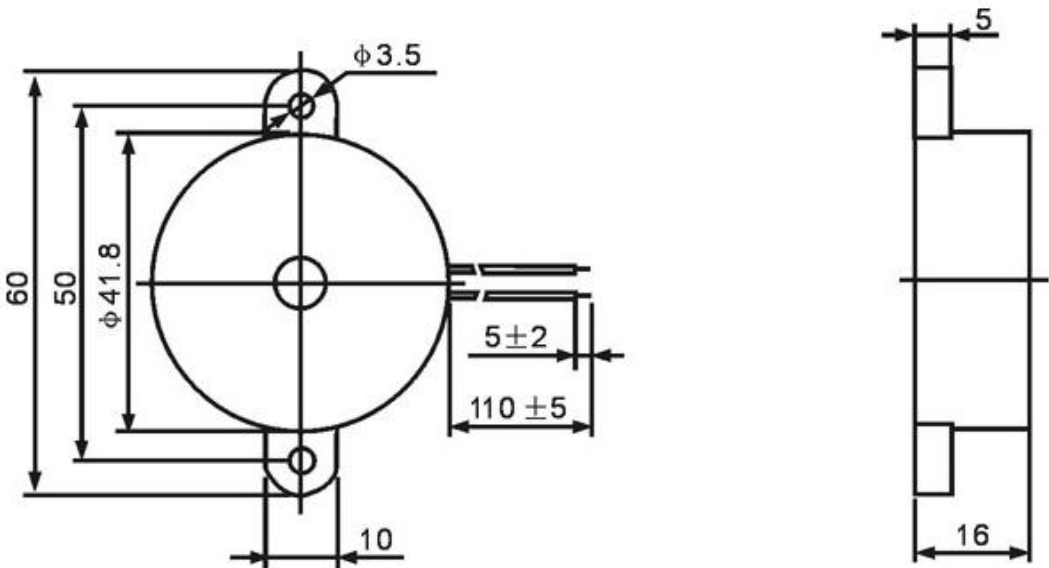
3. Reliability specification

Item	Test condition	Criteria	
High temperature Preservation	+85℃环境下放置 96 小时 Exposure to +85℃ for 96 hrs.	After the test the part shall meet specificati	GB/T 2423.2
Low temperature preservation	-30℃环境下放置 96 小时 Exposure to -30℃ for 96 hrs.		GB/T 2423.1
Thermal Shock	 10 cycles	-ons without any degra -dation in appearance And performance except SPL. SPL shall be 80 dB More. (at 2700±500 Hz)	GB/T 2423.4
Thermal, Humidity Shock	 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

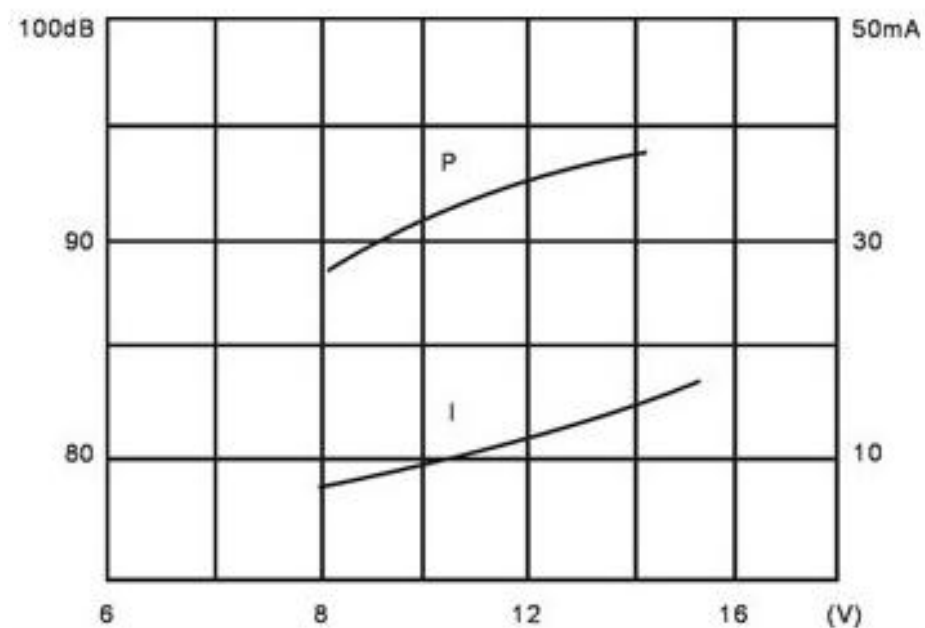
(UNT: mm)

Tolerance: ±0.5mm Except Specified



5. Frequency Response:

FREQUENCY RESPONSE



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