



PRODUCT SPECIFICATION

Product Name: Magnetic Buzzer

Part Number: MSES12A27PV3BE

Document No: _____

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DRAWING BY	CHECKED BY	APPROVED BY
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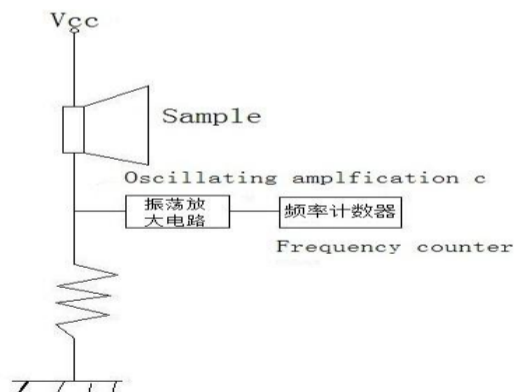
1.SPECIFICATION

1	Rated voltage	3VDC	
2	Operation voltage	1.5~4VDC	
3	Sound Pressure Level=SPL	Min 87dB	Standard State,Standard Drive Circuit.
4	current	≤ 30mA	Rated voltage,Distance at 0.1m
5	Oscillation frequency	2700±300Hz	
6	Response time	Max 50mS	Lowest operation voltage
7	Range of operation temperature	-40~+85℃	SPL ≥82dB
8	Range of preservation temperature	-40~+85℃	
9	Terminal strength	10N	Pull load on the direction of the terminal a xis
10	Externals size	Φ12x7.5	Refer to the attached drawing
11	Mass	2g	

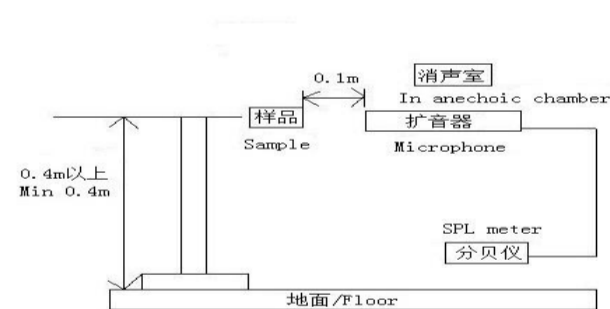
Standard State:Ordinary Temp(15~35℃),Humidity(25~85%RH),Air pressure(860~1060hPa)
In case of doubtful judgment,the test is re—performed under Basic State.

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

<Standard Drive Circuit>



<Standard Test Fixture>

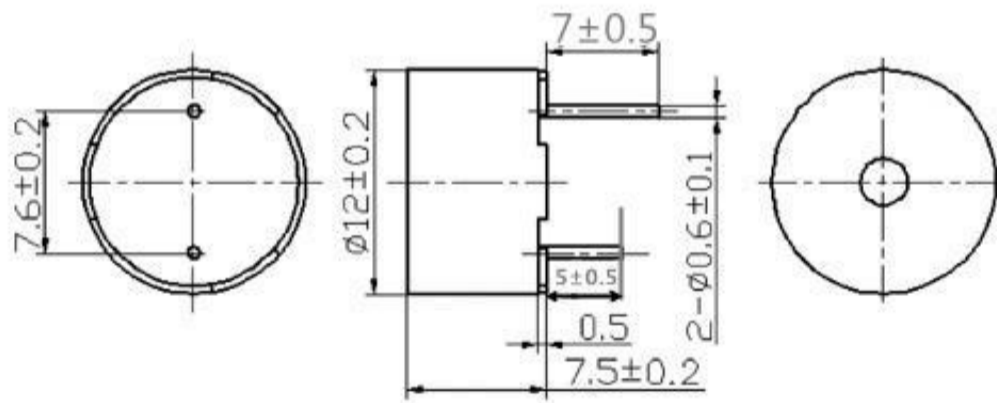


2.RELIABILITY SPECIFICATION

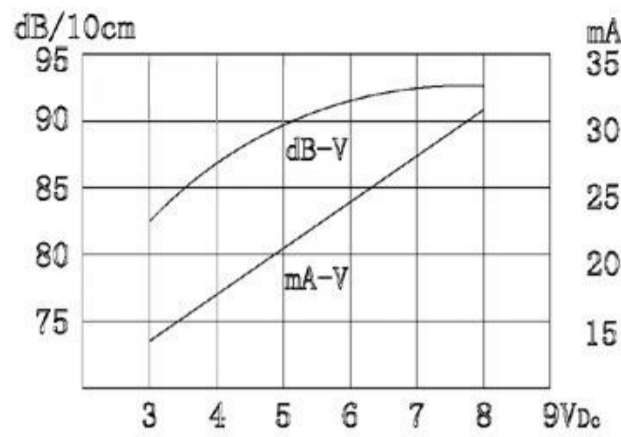
Item	Test condition	Criteria
1	High temperature Preservation Exposure to +85℃ for 24 hrs.	After the test the part shall meet specific ati -ons without any degra.
2	Low temperature preservation Exposure to -20℃ for 24 hrs.	
3	High temperature Shock	
4	Low temperature Shock	

5	Ordinary Temp.Life	Driving the sounder at 12 VDC for 48hrs in the room temperature($25^{\circ}\text{C}\pm 10^{\circ}\text{C}$)	
6	High Temp.Life	Driving the sounder at 12 VDC for 2hrs in the low temperature($+85^{\circ}\text{C}$)	
7	Low Temp.Life	Driving the sounder at 12 VDC for 2hrs in the low temperature(-20°C)	
8	Lead strength	Pull load on the direction of the terminal axis for 10 ± 1 sec.	
9	Free drop	Free drop,70cm height, on wood board (t40mm) X,Y,Z 3Direction 1time each, total 3times.	Exclude bending of Pin
10	Solderability	Temp. $260\pm 5^{\circ}\text{C}$ Soaking Time: 5 ± 0.5 sec	95% surface of lead pins must be covered with fresh solder and no soldering holes Should be found

3.DIMENSION



4.FREQUENCY CURVE



5. PACKING

