

1. Scope

This specification is applied to Piezo Buzzer (Self-Drive Type)

The product described below is used as a buzzer in various alarm systems

2. Basic Condition

2.1 Rated Voltage:12VDC

2.2 Operating Voltage:8~16VDC

2.3 Operating Temperature Range:-20 °C~+70 °C

2.4 Storage Temperature Range:-30°C~+80 °C



3. Electrical Characteristics

3.1 Sound Press Level: ≥ 90 dB at 30cm / 12VDC

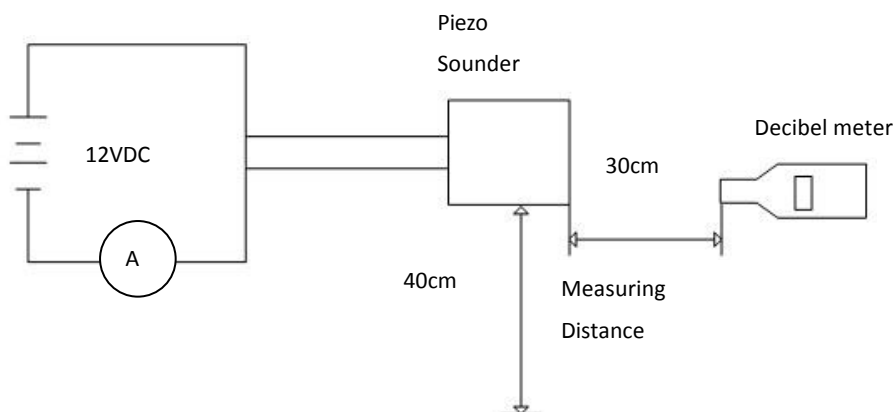
3.2 Consumption Current: ≤ 20 mA at 12VDC

3.3 Resonate Frequency:3400Hz \pm 500Hz

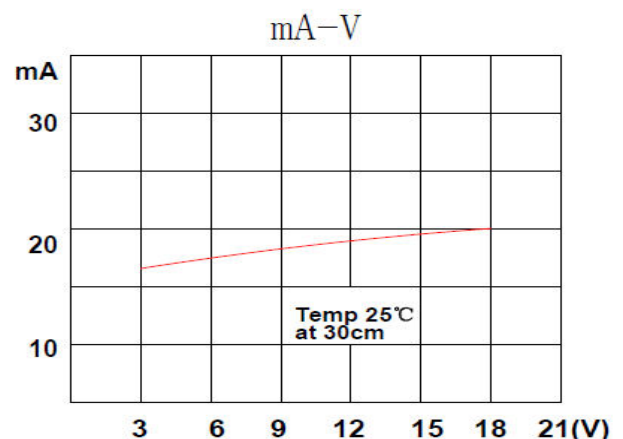
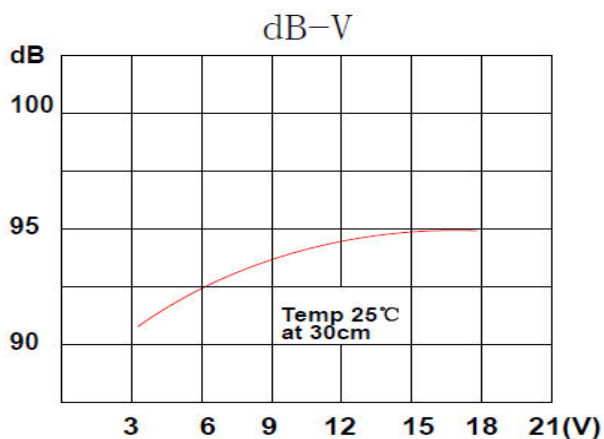
3.4 Tone Nature:Continuous Sound

3.5 Material:ABS

4. Measuring Method



5. Sound Press Level & Consumption Current Curve



TEST REPORT

#	dB	mA	Hz
1	101	6.0	3574
2	100	6.0	3627
3	103	6.2	3874
4	105	5.1	3822
5	105	5.5	3715

Remark:

(1)Sound Press Level : ≥ 90 dB at 30cm / 12VDC

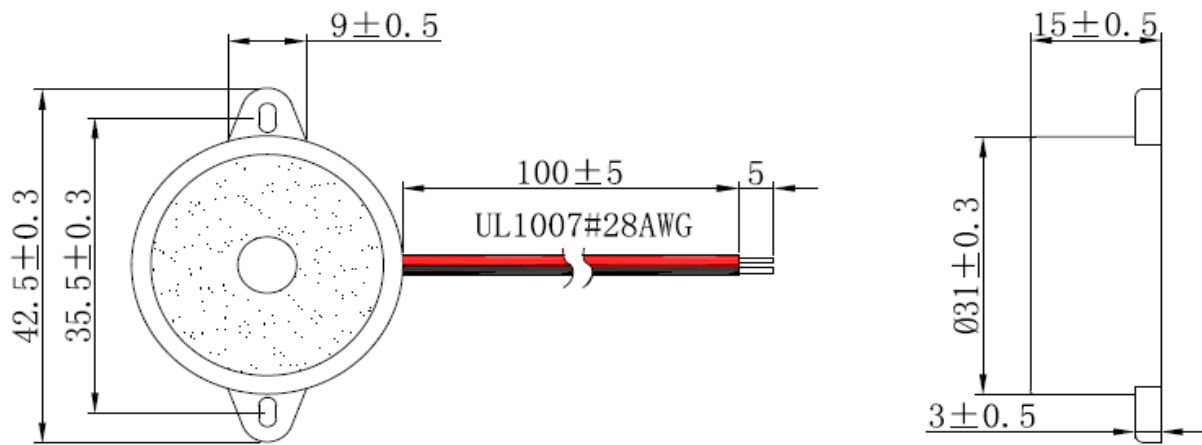
(2)Consumption Current : ≤ 20 mA at 12VDC

(3)Resonate Frequency : 3400Hz \pm 500

6. Environment Test Method

NO.	ITEM	TEST CONDITION AND REQUIREMENT
1	High Temperature Test (Storage)	After being placed in a chamber with 80 \pm 2 $^{\circ}$ C for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: ± 10 dB.
2	Low Temperature Test (Storage)	After being Placed in a chamber with -30 \pm 2 $^{\circ}$ C for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: ± 10 dB.
3	Humidity Test	After being Placed in a chamber with 90-95% R.H. at 40 \pm 2 $^{\circ}$ C for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: ± 10 dB.
4	Temperature Cycle Test	<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>

8. Dimensions



Tolerance $\pm 0.5\text{mm}$