



**DEVETECH ELECTRONICS CO. LTD**

**BUZZER**  
**CUSTOMER: DACHS ELECTRONICA**  
**P/N: DVZ-9605D03YA**

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## 1. Scope

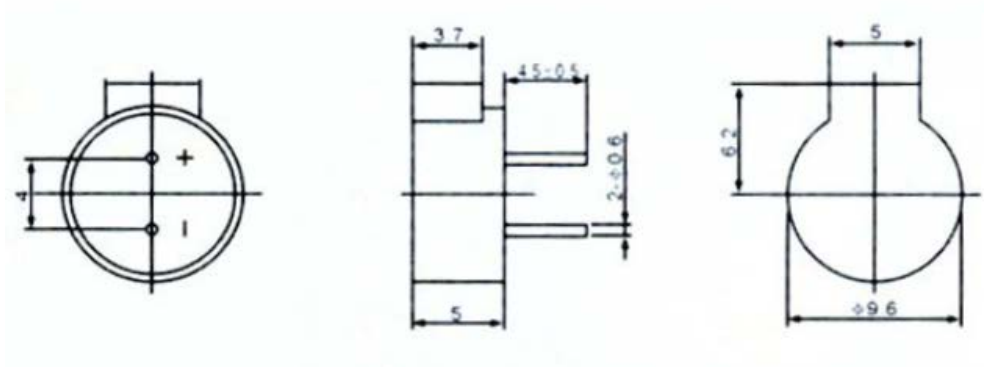
This specification applies electromagnetic buzzer, DVZ-9605D03YA.

## 2. Specification

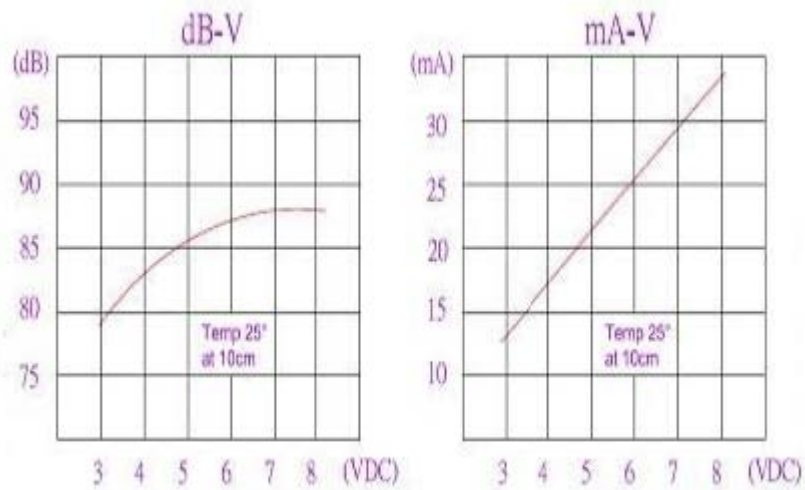
	<b>Item</b>	<b>Unit</b>	<b>Specification</b>	<b>Condition</b>
1	Operating Voltage range	VDC	2.0 ~ 4.0	Response Time 0.5 Sec
2	Rated Voltage	VDC	3.0	Volts D.C
3	Sound Pressure level	dB	Min.80	at 10cm at Rated Voltage
4	Rated current	mA	Max 30mA	
5	Frequency of output Signal	HZ	2700± 400	Square Wave
6	Operating Temp	°C	-30°C~70	
7	Storage Temp	°C	-40°C~80	
8	Dimension	mm	Φ9.6*H5	See appearance drawing
9	Weight	g	1.0	
10	Environmental Protection Regulation		RoHS	

### 3. Appearance drawing

Model No: DVZ-9605D03YA

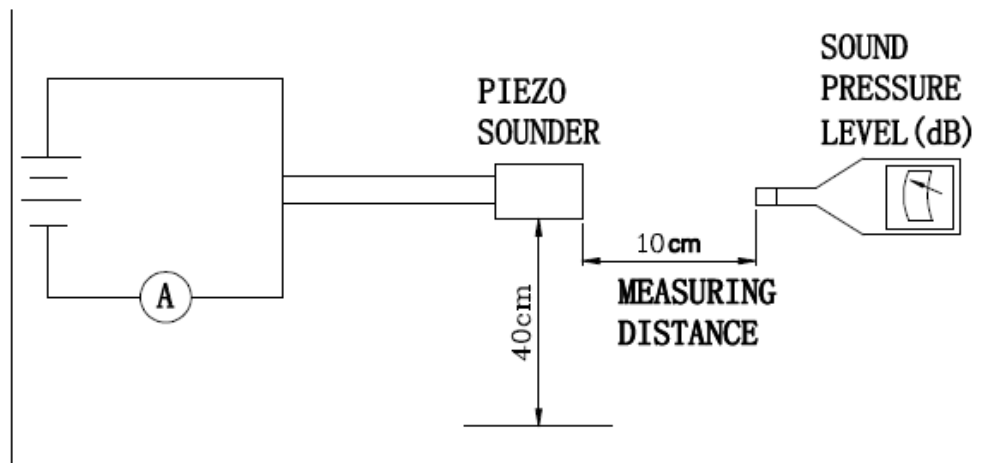


### 4. Frequency characteristics

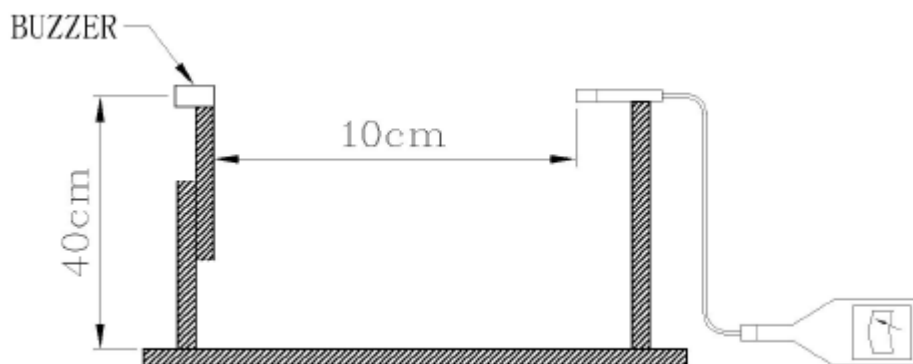


## 5. Acoustic characteristics

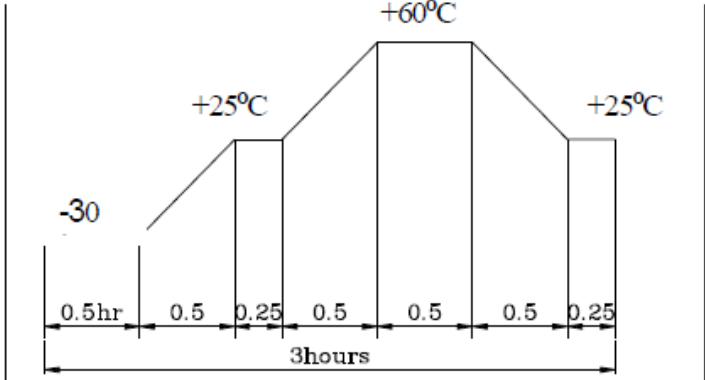
The oscillation frequency, current consumption and sound pressure are measured by the measuring instruments shown below



In the measuring test, buzzer is placed as follows:



## 6. Reliability

	Item	Condition
1	High Temperature Test (Storage)	After being placed in a chamber with $70\pm 2^{\circ}\text{C}$ for 48 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: $\pm 10\text{dB}$ .
2	Low Temperature Test (Storage)	After being Placed in a chamber with $-20\pm 2^{\circ}\text{C}$ for 48 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: $\pm 10\text{dB}$ .
3	Humidity Test	After being Placed in a chamber with 90-95% R.H. at $40\pm 2^{\circ}\text{C}$ for 48 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: $\pm 10\text{dB}$ .
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: <math>\pm 10\text{dB}</math>.</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 1 hour. Allowable variation of SPL after test: $\pm 10\text{dB}$ .
6	Solderability Test	Lead terminals are immersed in rosin for 3 seconds and then immersed in solder bath of $+260^{\circ}\text{C}$ for 3 seconds. 90% min. lead terminals shall be wet with solder (Except the edge of terminals).
7	Terminal Strength Pulling Test	The force of 5N is applied to each terminal in axial direction for 5 seconds. No visible damage and cutting off.

### TEST CONDITION

**Standard Test Condition:** a) Temperature:  $+5 \sim +35^{\circ}\text{C}$  b) Humidity: 45-85%  
c) Pressure : 860-1060mbar

**Judgment Test Condition:** a) Temperature:  $+25 \pm 2^{\circ}\text{C}$  b) Humidity : 60-70%  
c) Pressure 860-1060mbar

