



DEVETECH ELECTRONICS CO. LTD

BUZZER
CUSTOMER: DACHS ELECTRONICA
P/N: DVZ-2925T12WA

DESIGNED BY	
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1. Scope

This specification applies piezoelectric active buzzer, DVZ-2925T12WA.

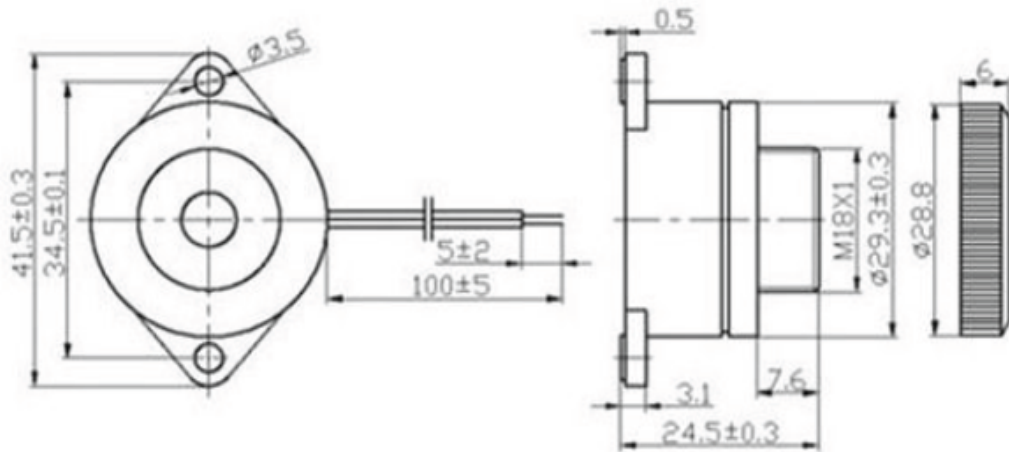
2. Specification

	Items	Unit	Specification	Condition
1	Operating Voltage range	VDC	3~15	
2	Rated voltage	VDC	12	Volts D.C
3	Rated current	mA	Max. 15	
4	Sound pressure level	dB	Min. 105	at 10cm at Rated Voltage
5	Frequency of output signal	HZ	3500± 500	Square wave
6	Operating Temp	°C	-20~60	
7	Storage Temp.	°C	-30~70	
8	Dimension	mm	Φ29	See appearance drawing
9	Outer covering material		ABS	
10	Environmental Protection Regulation		RoHS	

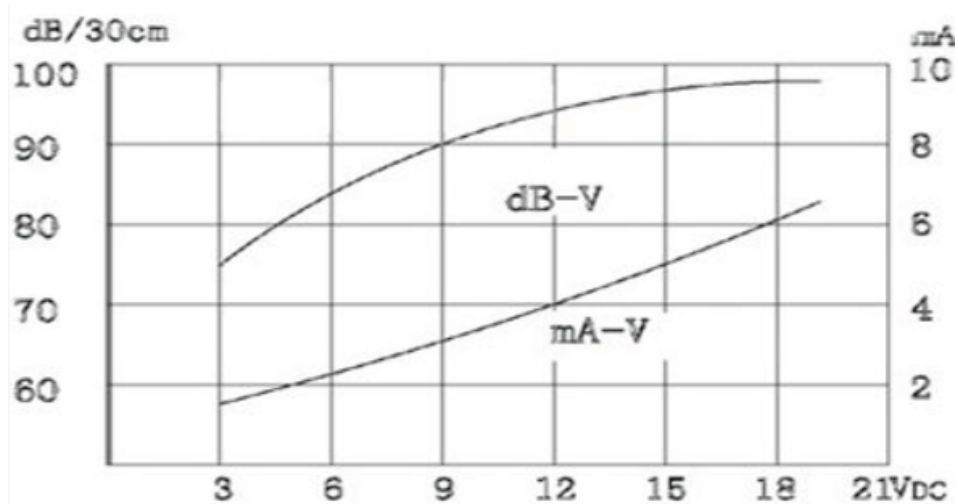
3. Appearance drawing

Model No: DVZ-2925T12WA

Unit: mm
Tol: ± 0.5

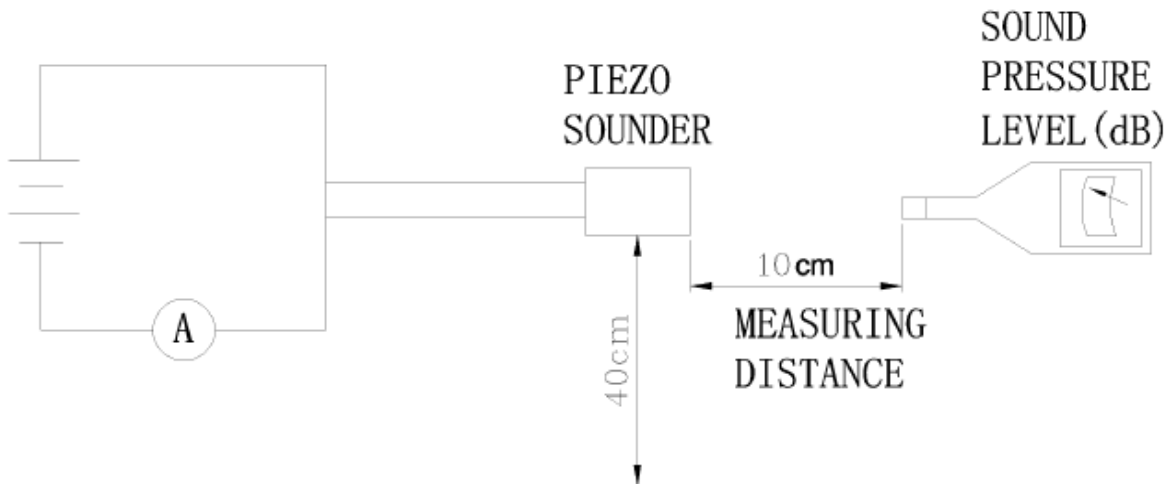


4. Frequency response

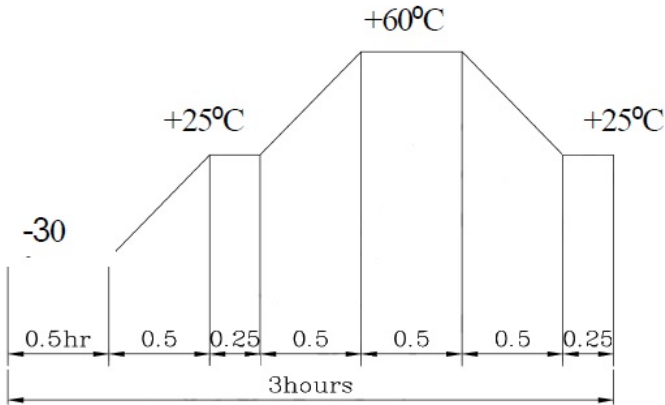


5. Acoustic characteristics

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



6. Reliability

	Items	Test Condition and requirement
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 48hours 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: $\pm 10\text{dB}$.</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

