



DEVETECH ELECTRONICS CO. LTD

BUZZER
CUSTOMER: DACHS ELECTRONICA
P/N: DVZ-09055CY

DESIGNED BY	
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APPROVED BY	

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1. Scope

This specification applies buzzer diaphragm, DVZ-09055CY.

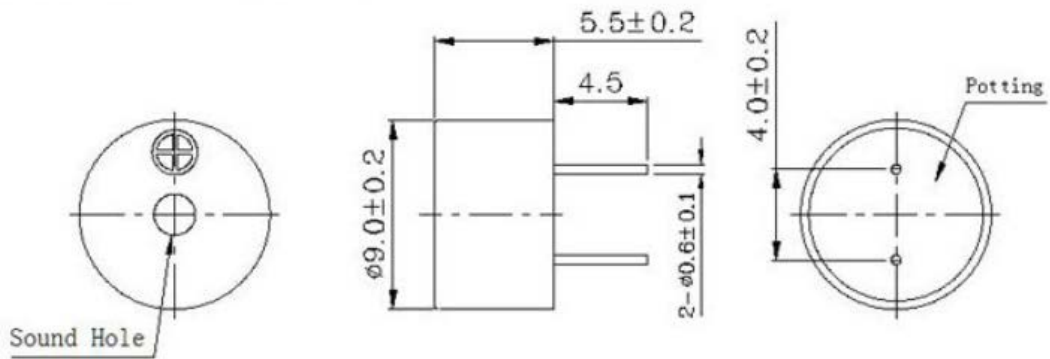
2. Specification

	Item	Unit	Specification	Condition
1	Operating Voltage range	Vp-p	1.5 ~ 5.0	Response Time 0.5 Sec
2	Rated Voltage	Vp-p	3.0	Volts D.C
3	Sound Pressure level	dB	Min.75	at 10cm at Rated Voltage
4	Coil resistance	Ω	5.5 ± 1.0 Ohms	
5	Rated current	mA	Max 72mA	
6	Frequency of output Signal	HZ	2731 ± 200	Square Wave
7	Operating temp	$^{\circ}\text{C}$	$-30^{\circ}\text{C} \sim 70$	
8	Storage Temp	$^{\circ}\text{C}$	$-40^{\circ}\text{C} \sim 80$	
9	Dimension	mm	$\Phi 9.0 * H5.5$	See appearance drawing
10	Weight	g	0.8	
11	Environmental Protection Regulation		RoHS	

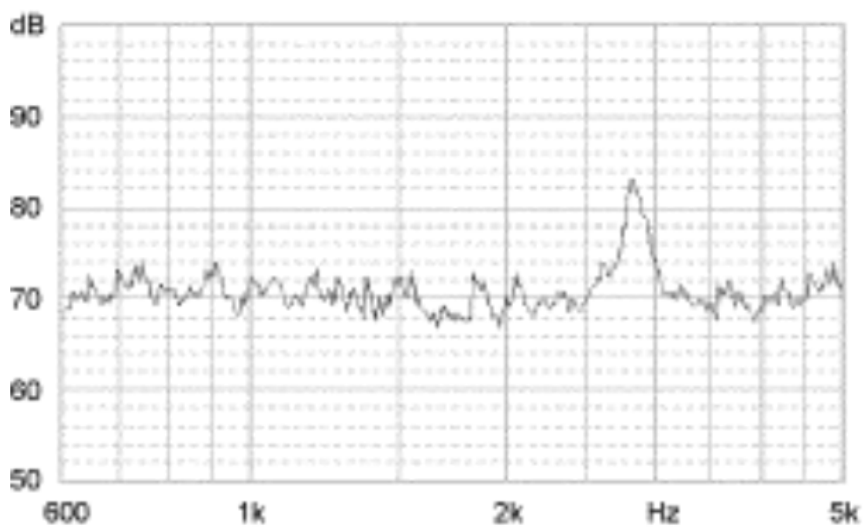
3. Appearance drawing

Model No: DVZ-09055CY

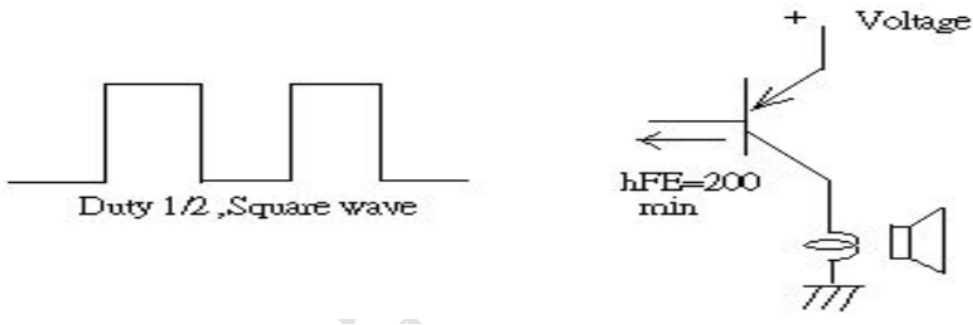
Unit: mm TOL: ± 0.5



4. Frequency characteristics



5. Recommend driving circuit



The base current I_b should high enough so that it saturates the collector current of the transistor with the CB load.

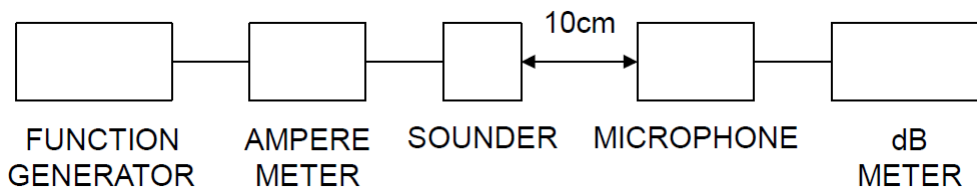
6. Testing method

Standard measurement conditions

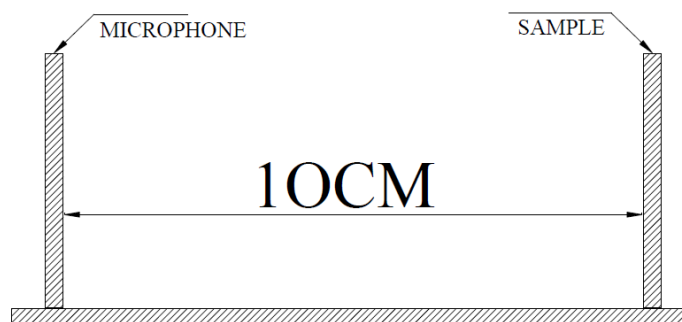
Temperature: $25 \pm 2^\circ\text{C}$ Humidity: 45-60%

Acoustic characteristics

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



In the measuring test, buzzers are placed as follows:





7. Reliability

Item	Condition	Performance
Coldness withstanding	After 98 hours of being exposed to -30°C environment, should be returned to normal environment for 2 hours, then re-proceed to test.	No abnormality shall exist
Hotness withstanding	After 98 hours of being exposed to +80°C environment, should be returned to normal environment for 2 hours, then re-proceed to test.	No abnormality shall exist
Humidity withstanding	After 98 hours of being exposed to 40°C 95%RH environment in actual operation, should be returned to normal environment for 2 hours, then re-proceed to test.	No abnormality shall exist
Durability	Testing after 1,000 hours actual continuous operation. (at standard measurement conditions)	No abnormality shall exist
Drop withstanding	A natural drop from 75cm high down to the ground.	No abnormality shall exist
Vibration withstanding	Vibration of 2,000 cycles per minute, 2mm amplitude, applied in X, Y and Z directions for 30 minutes each.	No abnormality shall exist

