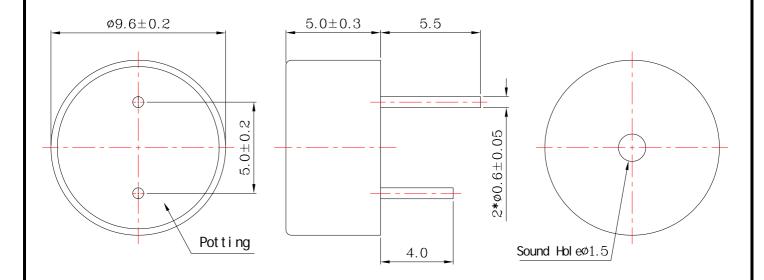
## **B. SPECIFICATION**

No.	ltem	Unit	Specification	Condition
1	Oscillation Frequency	KHz	$2.7 \pm 0.3$	
2	Operating Voltage	VDC	3~7	
3	Rated Voltage	VDC	5	
4	Current Consumption	mA	MAX. 30	at Rated Voltage
5	Sound Pressure Level	dB	MIN. 83	at 10cm at Rated Voltage
6	Tone/Pulse Rate		Constant	
7	Operating Temperature	$^{\circ}\!\mathbb{C}$	-20 ~ +60	
8	Storage Temperature	$^{\circ}\!\mathbb{C}$	-30 ~ +70	
9	Dimension	mm	Ф9.6 x H5.0	See appearance drawing
10	Weight (MAX)	gram	1.0	
11	Housing Material		PPO( Black )	
12	Leading Pin		Tin Plated Brass(Sn)	See appearance drawing
13	Environmental Protection Regulation		RoHS	

# **C. APPEARANCE DRAWING**



**Tol**: ± 0.5 **Unit**: mm

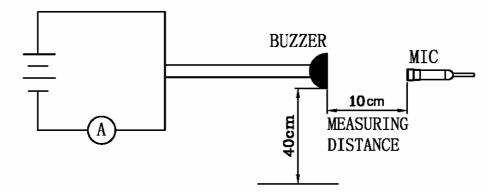
#### **D.TESTING METHOD**

### **Standard Measurement conditions**

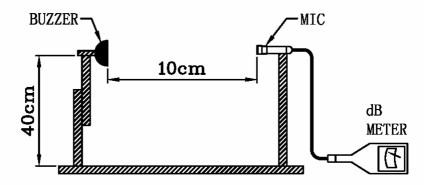
Temperature:  $25 \pm 2$  Humidity: 45-65%

### **Acoustic Characteristics:**

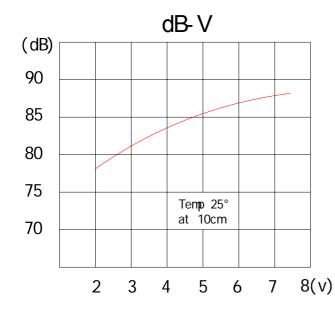
The oscillation frequency, current consumption and sound pressure are measured by the measuring instruments shown below

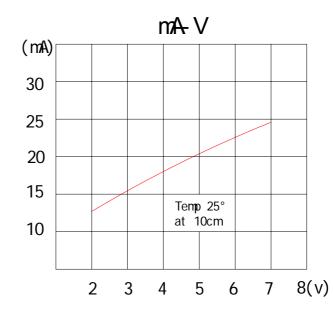


In the measuring test, buzzer is placed as follows:



# E. Typical Frequency Response Curve





## F. RELIABILITY TEST

After being placed in a chamber with 7082°C for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: ð10dB.  Low Temperature Test (Storage)  After being Placed in a chamber with -3002°C for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: ð10dB.  After being Placed in a chamber with 90-95% R.H. at 4002°C for 96 hours and then being Placed in normal condition for 2 hours. Allowable variation of SPL after test: ð10dB.  The part shall be subjected to 5 cycles. One cycle shall be consist of :  Temperature Cycle Test  Temperature Cycle Test	NO.	ITEM	TEST CONDITION AND REQUIREMENT		
Test (Storage)    Desire the placed in normal condition for 2 hours. Allowable variation of SPL after test: \(\delta\)10dB.    Low Temperature Test (Storage)			After being placed in a chamber with 70ð2°C for 96 hours and then		
Allowable variation of SPL after test: \$10dB.  2 Low Temperature Test (Storage)  After being Placed in a chamber with -3082°C for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: \$10dB.  After being Placed in a chamber with 90-95% R.H. at 4082°C for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: \$10dB.  The part shall be subjected to 5 cycles. One cycle shall be consist of:  1	1		being placed in normal condition for 2 hours.		
2 Low Temperature Test (Storage) being placed in normal condition for 2 hours. Allowable variation of SPL after test: \delta 10dB.  After being Placed in a chamber with 90-95% R.H. at 40\delta 2°C for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: \delta 10dB.  The part shall be subjected to 5 cycles. One cycle shall be consist of:  +60°C  Temperature Cycle Test  Temperature Cycle Test			Allowable variation of SPL after test: ð10dB.		
Test (Storage)  Allowable variation of SPL after test: ð10dB.  After being Placed in a chamber with 90-95% R.H. at 40ð2°C for 96 hours and then being placed in normal condition for 2 hours.  Allowable variation of SPL after test: ð10dB.  The part shall be subjected to 5 cycles. One cycle shall be consist of:  +60°C  Temperature Cycle Test  Temperature Cycle Test		-	After being Placed in a chamber with -30ð2°C for 96 hours and then		
Allowable variation of SPL after test: 310dB.  After being Placed in a chamber with 90-95% R.H. at 40ð2°C for 96 hours and then being placed in normal condition for 2 hours.  Allowable variation of SPL after test: 310dB.  The part shall be subjected to 5 cycles. One cycle shall be consist of:  +60°C  Temperature Cycle Test  Temperature Cycle Test	2		being placed in normal condition for 2 hours.		
Humidity Test hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: ð10dB.  The part shall be subjected to 5 cycles. One cycle shall be consist of:  +60°C  Temperature Cycle Test  Test			Allowable variation of SPL after test: ð10dB.		
Allowable variation of SPL after test: ð10dB.  The part shall be subjected to 5 cycles. One cycle shall be consist of:  +60°C  Temperature Cycle Test  Test		Humidity Test	After being Placed in a chamber with 90-95% R.H. at 40\delta2°C for 96		
The part shall be subjected to 5 cycles. One cycle shall be consist of :  +60°C  +25°C  +25°C  +25°C  Temperature Cycle Test	3				
4 Temperature Cycle Test  Temperature Cycle Test  -20°C  +25°C  +25°C			Allowable variation of SPL after test: ð10dB.		
4 Temperature Cycle Test  -20°C  +25°C  +25°C			The part shall be subjected to 5 cycles. One cycle shall be consist of:		
4 Temperature Cycle Test  -20°C  +25°C  +25°C			+60°C		
4 Temperature Cycle Test -20°C					
4 Temperature Cycle Test -20°C			+25°C +25°C		
Test -20°C					
	4		2090		
0.5hr   0.5   0.25   0.5   0.5   0.25			-20°C		
3hours					
Allowable variation of SPL after test: ð10dB.					
Drop on a hard wood board of 4cm thick, any directions ,6 times, at the height of 100cm.	_	Drop Test			
5 Drop Test at the height of 100cm. Allowable variation of SPL after test: \delta 10dB.	5				
After being applied vibration of amplitude of 1.5mmwith 10 to 55 Hz					
band of vibration frequency to each of 3 perpendicular directions for		Vibration Test			
6 Vibration Test 2 hours.	6				
Allowable variation of SPL after test: $\delta 10 dB$ .			Allowable variation of SPL after test: ð10dB.		
Lead terminals are immersed in rosin for 5 seconds and then		Solderability Test	Lead terminals are immersed in rosin for 5 seconds and then		
	7		immersed in solder bath of +300\delta5°C for 3\delta1 seconds.		
90% min. lead terminals shall be wet with solder	·				
(Except the edge of terminals).  The force of 0.9N/1.0kg) is applied to each terminal in evial direction for					
Terminal Strength To The force of 9.8N(1.0kg) is applied to each terminal in axial direction for 10 seconds.	8	Terminal Strength Pulling Test	· • • • • • • • • • • • • • • • • • • •		
Pulling Test No visible damage and cutting off.					

#### **TEST CONDITION.**

Standard Test Condition : a) Temperature: +5~+35 b) Humidity: 45-85% c) Pressure: 860-1060mbar - 般则试条件 : a) 温度: +5~+35 b) 湿度: 45-85% c) 气压: 860-1060mbar b) Humidity: 60-70% c) Pressure: 860-1060mbar b) 温度: +25 ± 2 b) 出度: 60-70% c) 气压: 860-1060mbar c) 气压: 860-1060mbar