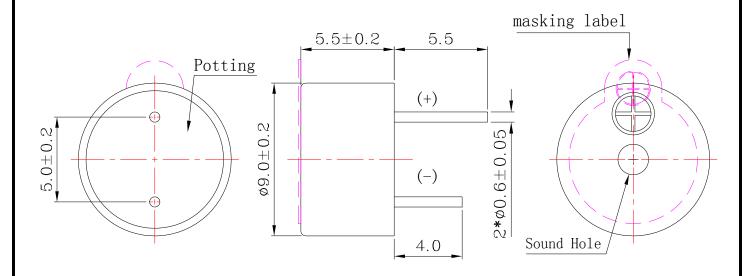
#### A. SCOPE

This specification applies Internally driven magnetic buzzers, L-KLS3-MWC-09\*5.5

# **B. SPECIFICATION**

No.	ltem	Unit	Specification	Condition
1	Oscillation Frequency	KHz	$2.7 \pm 0.3$	
2	Operating Voltage	VDC	2~4.2	
3	Rated Voltage	VDC	3	
4	Current Consumption	mA	MAX. 30	at Rated Voltage
5	Sound Pressure Level	dB	MIN. 80	at 10cm at Rated Voltage
6	Tone/Pulse Rate		Constant	
7	Operating Temperature	$^{\circ}\!\mathbb{C}$	-20 ~ +70	
8	Storage Temperature	$^{\circ}\!\mathbb{C}$	-30 ~ +80	
9	Dimension	mm	Ф9.0 x H5.5	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



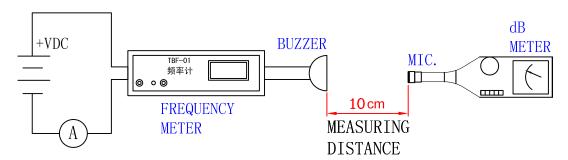
#### **D.TESTING METHOD**

### **Standard Measurement conditions**

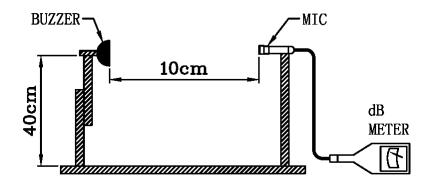
Temperature:25±2°C Humidity:45-65%

#### **Acoustic Characteristics:**

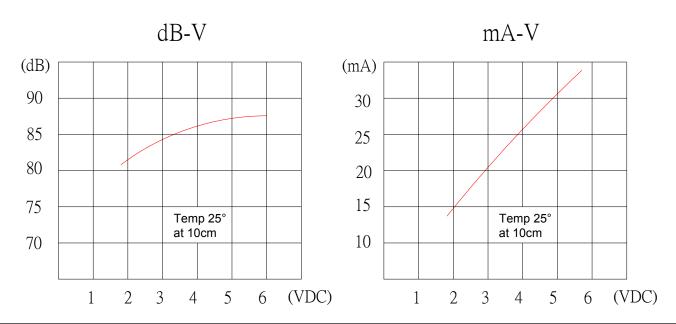
The oscillation frequency, current consumption and sound pressure are measured by the measuring instruments shown below



In the measuring test, buzzer is placed as follows:



#### E. VOLTAGE / CURRENT / SOUND PRESSURE CHARACTERISTICS





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#### F. RELIABILITY TEST

**ITEM** 

NO.

		TEST SONDITION AND REQUIREMENT		
1	High Temperature Test (Storage)	After being placed in a chamber with 80±2°C for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: ±10dB.		
2	Low Temperature Test (Storage)	After being Placed in a chamber with -30±2°C for 96 hours and then being placed in normal condition for 2 hours.  Allowable variation of SPL after test: ±10dB.		
3	Humidity Test	After being Placed in a chamber with 90-95% R.H. at 40±2°C for 96 hours and then being placed in normal condition for 2 hours.  Allowable variation of SPL after test: ±10dB.		
4	Temperature Cycle Test	The part shall be subjected to 5 cycles. One cycle shall be consist of:  +70°C  +25°C  +25°C  -20°C  -20°C  -20°C  Allowable variation of SPL after test: ±10dB.		
5	Drop Test	Drop on a hard wood board of 4cm thick, any directions ,6 times, at the height of 75cm .  Allowable variation of SPL after test: ±10dB.		
6	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 2 hours .  Allowable variation of SPL after test: ±10dB.		
7	Solderability Test	Lead terminals are immersed in rosin for 5 seconds and then immersed in solder bath of +300±5°C for 3±1 seconds .  90% min. lead terminals shall be wet with solder (Except the edge of terminals).		
8	Terminal Strength Pulling Test	The force of 9.8N(1.0kg) is applied to each terminal in axial direction for 10 seconds.  No visible damage and cutting off.		

**TEST CONDITION AND REQUIREMENT** 

#### **TEST CONDITION.**

 Standard Test Condition
 : a) Temperature: +5 ~ +35℃
 b) Humidity: 45-85%
 c) Pressure: 860-1060mbar

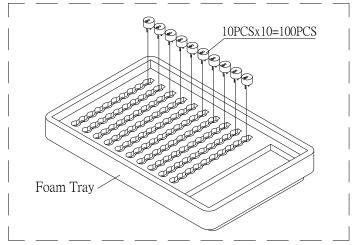
 一般测试条件
 : a) 温度: +5 ~ +35℃
 b) 湿度: 45-85%
 c) 气压: 860-1060mbar

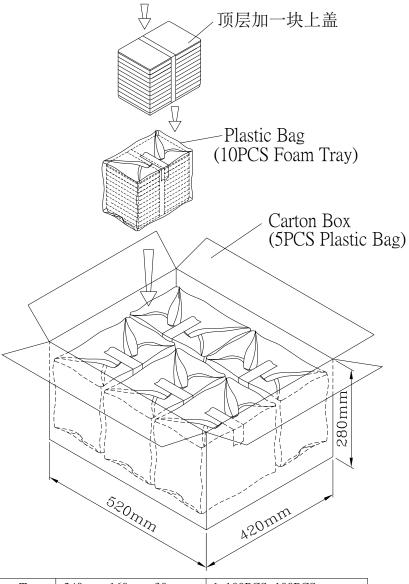
 Judgment Test Condition
 : a) Temperature: +25±2℃
 b) Humidity: 60-70%
 c) Pressure: 860-1060mbar

 争议时测试条件
 : a) 温度: +25±2℃
 b) 湿度: 60-70%
 c) 气压: 860-1060mbar



## **G. PACKING STANDARD**





Foam Tray	240mmx160mmx30mm	1x100PCS=100PCS
Plastic Bag		10x100PCS=1000PCS
Carton Box	520mmx420mmx280mm	5x1000PCS=5,000PCS

