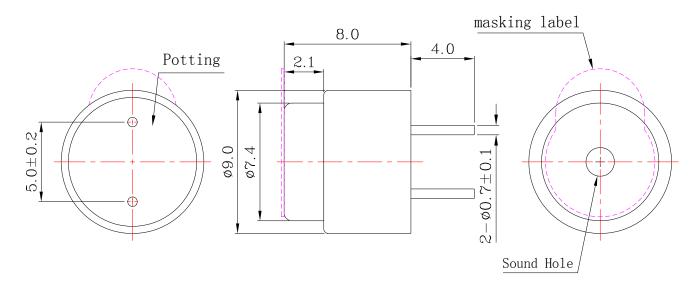
A. SCOPE

This specification applies Externally driven piezo buzzer, L-KLS3-PT-09*08

B. SPECIFICATION

No.	ltem	Unit	Specification	Condition
1	Oscillation Frequency	Hz	2800	square wave
2	Max.Allowable Voltage:	Vp-p	30	
3	Rated Voltage	Vp-p	10 (3Vp-p~12Vp-p Customizable)	
4	Current Consumption	mA	MAX. 4	at Rated Voltage
5	Sound Pressure Level	dB	MIN. 75	at 10cm at Rated Voltage
6	Electrostatic Capacity	pF	5600±30%	at 100Hz 1V
7	Operating Temperature	$^{\circ}$ C	-30~ +85	
8	Storage Temperature	$^{\circ}$	-40 ~ + 95	
9	Dimension	mm	Ф9 х Н8	See appearance drawing
10	Weight (MAX)	gram	0.5	
11	Housing Material		PPO(Black)	
12	Leading Pin		Plated Brass(Au)	See appearance drawing
13	Environmental Protection Regulation		RoHS	

C. APPEARANCE DRAWING



Tol: ± 0.5 **Unit**: mm



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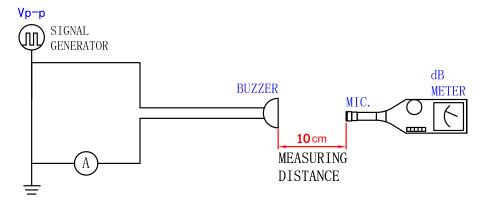
D.TESTING METHOD

Standard Measurement conditions

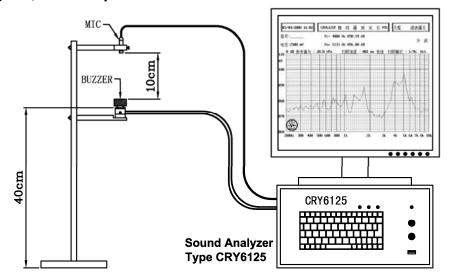
Temperature:25±2°C Humidity:45-65%

Acoustic Characteristics:

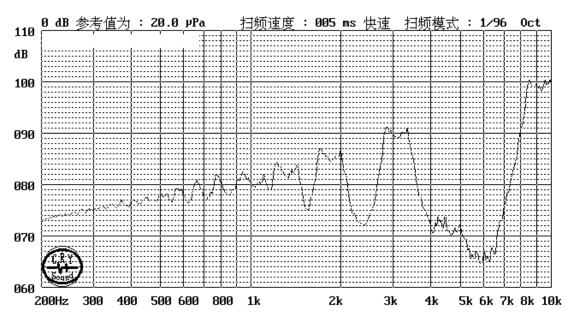
The oscillation frequency, current consumption and sound pressure are measured by the measuring instruments shown below



In the measuring test, buzzer is placed as follows:



E. Typical Frequency Response Curve





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F. RELIABILITY TEST

ITEM

NO.

110.	11-141	TEST SONDITIONARY REGULEMENT		
1	High Temperature Test (Storage)	After being placed in a chamber with 95±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 -40±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: +85°C +25°C +25°C +25°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	NOITION			

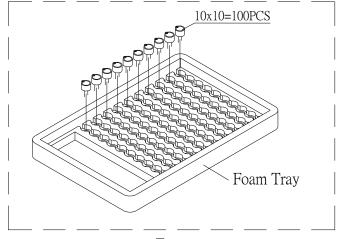
TEST CONDITION AND REQUIREMENT

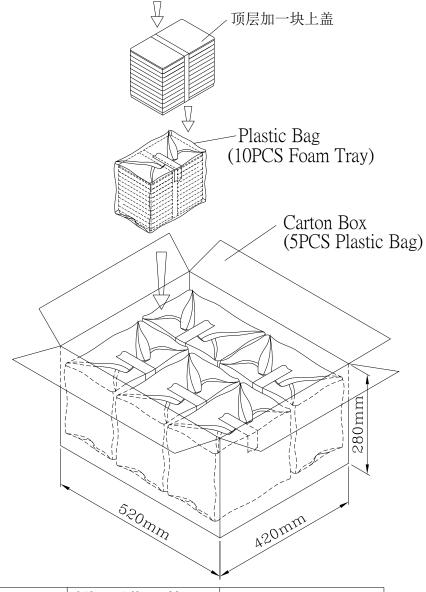
TEST CONDITION.

Standard Test Condition : a) Temperature: $+5 \sim +35$ °C b) Humidity: 45-85% c) Pressure: 860-1060mbar c) -般测试条件 : a) 温度: $+5 \sim +35$ °C b) 湿度: 45-85% c) 气压: 860-1060mbar c) 气压: 860-1060mbar c) Pressure: 860-1060mbar c) 小型度: 860-1060mbar c)



G. PACKING STANDARD





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

