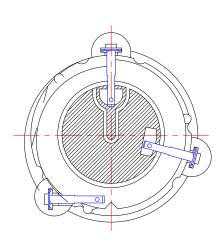
# A. SCOPE

This specification applies Internally driven piezo buzzer, L-KLS3-PB-40\*14

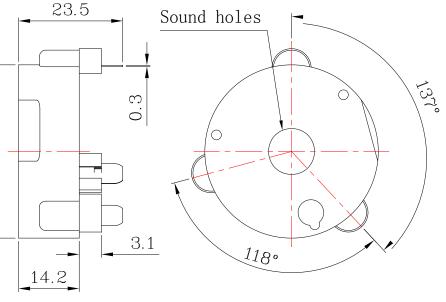
#### **B. SPECIFICATION**

No.	ltem	Unit	Specification	Condition
1	Oscillation Frequency	KHz	3.4±0.5	
2	Operating Voltage	VDC	6~12	
3	Rated Voltage	VDC	12	
4	Current Consumption	mA	MAX. 10	at Rated Voltage
5	Sound Pressure Level	dB	MIN. 90	at 30cm at Rated Voltage
	Electrostatic Capacity	pF	25000±30%	at 100Hz 1V
6	Tone Nature		Single	
7	Operating Temperature	°C	-20~ +70	
8	Storage Temperature	°C	-30 ~ +80	
9	Dimension	mm	Ф40.6 x H14	See appearance drawing
10	Weight (MAX)	gram	8.0	
11	Housing Material		Nylon	
12	Leading Pin		H62(Cu) Plating (Ni)	See appearance drawing
13	Environmental Protection Regulation		RoHS	

# C. APPEARANCE DRAWING



KLS

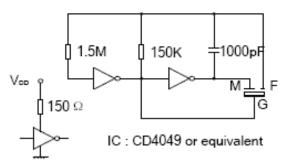




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Test Circuit:



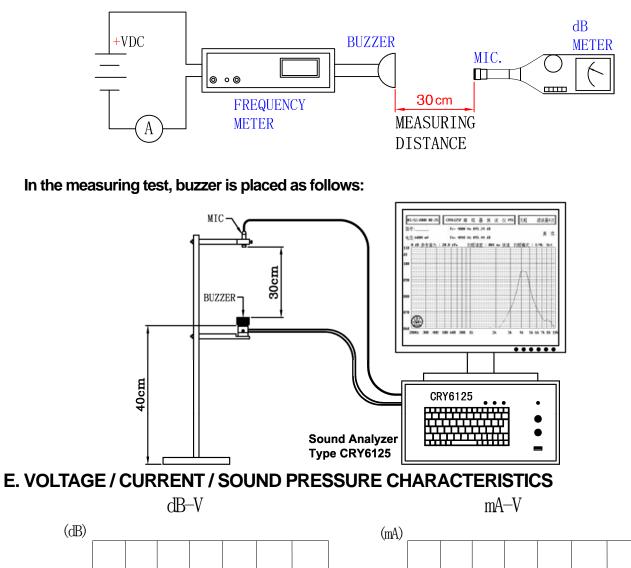
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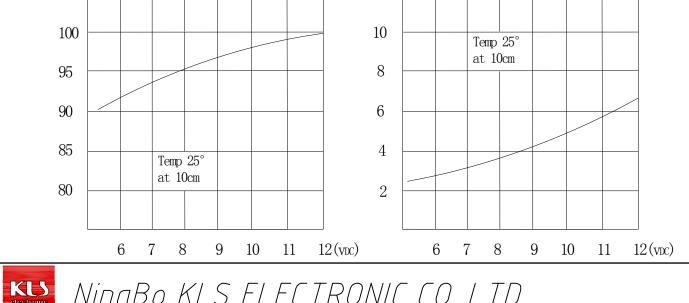
### **D.TESTING METHOD Standard Measurement conditions**

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





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#### F. RELIABILITY TEST

NO.	ITEM	TEST CONDITION AND REQUIREMENT		
	High Temperature	After being placed in a chamber with 80±2°C for 96 hours and then		
1		being placed in normal condition for 2 hours.		
	Test (Storage)	Allowable variation of SPL after test: ±10dB.		
	Low Temperature Test (Storage)	After being Placed in a chamber with -30±2°C for 96 hours and then		
2		being placed in normal condition for 2 hours.		
		Allowable variation of SPL after test: ±10dB.		
	Humidity Test	After being Placed in a chamber with 90-95% R.H. at 40±2°C for 96		
3		hours and then being placed in normal condition for 2 hours.		
		Allowable variation of SPL after test: ±10dB.		
	Temperature Cycle Test	The part shall be subjected to 5 cycles. One cycle shall be consist of :		
		+70°C		
		+25°C +25°C		
		+23°C		
4				
		- 20°C		
		$\begin{array}{ c c c c c c c c c c c c c c c c c c c$		
		3hours		
		Allowable variation of SPL after test: ±10dB.		
	Drop Test	Drop on a hard wood board of 4cm thick, any directions, 6 times,		
5		at the height of 75cm.		
		Allowable variation of SPL after test: ±10dB.		
	Vibration Test	After being applied vibration of amplitude of 1.5mmwith 10 to 55 Hz		
6		band of vibration frequency to each of 3 perpendicular directions for		
		2 hours.		
		Allowable variation of SPL after test: ±10dB.		
	Solderability	Lead terminals are immersed in rosin for 5 seconds and then		
7		immersed in solder bath of $+300\pm5^{\circ}$ C for $3\pm1$ seconds.		
	Test	90% min. lead terminals shall be wet with solder (Except the edge of terminals).		
	Terminal Strength			
0		The force of 9.8N(1.0kg) is applied to each terminal in axial direction for 10 seconds.		
8	Pulling Test	No visible damage and cutting off.		
TEST				
	DNDITION.	c) Tenne water $(15 + 125^{\circ})$ (b) Line width (145.05%) (c) December (100.4000 c) to $(1000 c)$		
	Test Condition : 一般测试条件 :	a) Temperature : +5 ~ +35℃ b) Humidity : 45-85% c) Pressure : 860-1060mbar a) 温度 : +5 ~ +35℃ b) 湿度 : 45-85% c) 气压 : 860-1060mbar		
	市 <b>Test Condition</b> :	a)		
Juuyinei				

ent lest Condition : a) iemperature : +25 ± 2 ℃ b) Humidity : 60-70% c) Pressure : 600-1060mbar 争议时测试条件 : a) 温度 : +25 ± 2 ℃ b) 湿度 : 60-70% c) 气压 : 860-1060mbar



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